# CALIFORNIA HIGH-SPEED TRAIN

Project Environmental Impact Report/Environmental Impact Statement

FINAL

Merced to Fresno Section
Project EIR/EIS

# Volume III:

# Section H2 – Roadway and Grade Separation Plans

UPRR/SR 99 Alternative with Ave 21 Wye

April 2012




CALIFORNIA
High-Speed Rail Authority

U.S. Department of Transportation
Federal Railroad Administration

# VOLUME 3 - ROADWAY

| DRAWING No. | REV No. | DRAWING DESCRIPTION |
|---|---|---|
| | | GENERAL |
| GE-A0003 | | PACKAGE 1A - ROADWAY- INDEX OF DRAWINGS - SHEET 1 OF 5 |
| GE-A0004 | | PACKAGE 1A - ROADWAY- INDEX OF DRAWINGS - SHEET 2 OF 5 |
| GE-A0005 | | PACKAGE 1A - ROADWAY- INDEX OF DRAWINGS - SHEET 3 OF 5 |
| GE-A0006 | | PACKAGE 1A - ROADWAY- INDEX OF DRAWINGS - SHEET 4 OF 5 |
| GE-A0007 | | PACKAGE 1A - ROADWAY- INDEX OF DRAWINGS - SHEET 5 OF 5 |
| CV-B0002 | | PACKAGE 1A - ROADWAY- GENERAL STRUCTURAL NOTES |
| CV-B0003 | | PACKAGE 1A - ROADWAY - INDEX MAP |
| | | ROADWAY |
| CV-T1001 | | PACKAGE 1A - ROADWAY - GRADE SEPARATION LAYOUT - W MCKINLEY AVE |
| CV-T1002 | | PACKAGE 1A - ROADWAY - GRADE SEPARATION PROFILE - W MCKINLEY |
| CV-T1003 | | PACKAGE 1A - ROADWAY - GRADE SEPARATION PROFILE - MCKINLEY AVE CONNECTOR/N WEBER AVE |
| CV-T1004 | | PACKAGE 1A - ROADWAY - GRADE SEPARATION LAYOUT - N GOLDEN STATE BLVD |
| CV-T1005 | | PACKAGE 1A - ROADWAY - GRADE SEPARATION PROFILE - N GOLDEN STATE BLVD |
| CV-T1006 | | PACKAGE 1A - ROADWAY - GRADE SEPARATION PROFILE - N GOLDEN STATE BLVD |
| CV-T1007 | | PACKAGE 1A - ROADWAY - GRADE SEPARATION LAYOUT - W OLIVE AVE |
| CV-T1008 | | PACKAGE 1A - ROADWAY - GRADE SEPARATION PROFILE - W OLIVE AVE |
| CV-T1009 | | PACKAGE 1A - ROADWAY - GRADE SEPARATION LAYOUT - BELMONT AVE |
| CV-T1010 | | PACKAGE 1A - ROADWAY - GRADE SEPARATION PROFILE - BELMONT AVE |
| CV-T1011 | | PACKAGE 1A - ROADWAY - GRADE SEPARATION PROFILE - N H ST/N WESLEY AVE |
| CV-T1012 | | PACKAGE 1A - ROADWAY - GRADE SEPARATION PROFILE - N CARUTH AVE/N FARRIS AVE |
| CV-R1001-THN | | PACKAGE 1A - ROADWAY - ROADWAY LAYOUT - N THORNE AVE |
| CV-R1002-THN | | PACKAGE 1A - ROADWAY - GRADE SEPARATION PROFILE- N THORNE AVE |
| CV-T3001 | | PACKAGE 1A - ROADWAY - ROADWAY / GRADE SEPARATION - TYPICAL SECTIONS |
| CV-T3002 | | PACKAGE 1A - ROADWAY - ROADWAY / GRADE SEPARATION - TYPICAL SECTIONS |
| CV-T3003 | | PACKAGE 1A - ROADWAY - ROADWAY / GRADE SEPARATION - TYPICAL SECTIONS |
| CV-T3004 | | PACKAGE 1A - ROADWAY - ROADWAY / GRADE SEPARATION - TYPICAL SECTIONS |
| CV-T3005 | | PACKAGE 1A - ROADWAY - ROADWAY / GRADE SEPARATION - TYPICAL SECTIONS |
| CV-T3006 | | PACKAGE 1A - ROADWAY - ROADWAY / GRADE SEPARATION - TYPICAL SECTIONS |
| CT1011 | | FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION LAYOUT - STANISLAUS ST AND TOULUMNE ST |
| CT1013 | | FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION LAYOUT - FRESNO ST |
| CT1016 | | FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION LAYOUT - TUOLUMNE ST (OVERHEAD) |
| CT1017 | | FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION LAYOUT - TUOLUMNE ST (UNDERPASS) |
| CT1019 | | FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION LAYOUT - VENTURA ST |
| CT1020 | | FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION LAYOUT - VENTURA ST |
| CT2011 | | FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - STANISLAUS ST |
| CT2012 | | FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - TUOLUME ST |
| CT2013 | | FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - FRESNO ST |
| CT2014 | | FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - H ST (FRESNO ST) |
| CT2015 | | FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - G ST (FRESNO ST) |

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| CT2016 | | FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - TULARE ST (OVERHEAD) |
| CT2017 | | FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - TULARE ST (UNDERPASS) |
| CT2018 | | FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - G ST (TULARE STREET UNDERPASS) |
| CT2019 | | FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - VENTURA ST |
| CT2029 | | FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - G ST (OVER VENTURA) & H ST |
| CT3001 | | FRESNO SUBSECTION - ALIGNMENT F1 - ROADWAY / GRADE SEPARATION LAYOUT - TYPICAL CROSS SECTIONS |
| CT3002 | | FRESNO SUBSECTION - ALIGNMENT F1 - ROADWAY / GRADE SEPARATION LAYOUT - TYPICAL CROSS SECTIONS |
| CT3003 | | FRESNO SUBSECTION - ALIGNMENT F1 - ROADWAY / GRADE SEPARATION LAYOUT - TYPICAL CROSS SECTIONS |
| CT3004 | | FRESNO SUBSECTION - ALIGNMENT F1 - ROADWAY / GRADE SEPARATION LAYOUT - TYPICAL CROSS SECTIONS |
| CV-T5000 | | PACKAGE 1A - ROADWAY - CONSTRUCTION DETAILS |
| CV-T5001 | | PACKAGE 1A - ROADWAY - ROADWAY CLOSURE DETAILS |
| | | |
| ST-I1001 | | PACKAGE 1A - ROADWAY - GOLDEN STATE BOULEVARD BRIDGE AT HERNDON CANAL - GENERAL PLAN |
| ST-I1002 | | PACKAGE 1A - ROADWAY - GOLDEN STATE BOULEVARD BRIDGE AT HERNDON CANAL - TYPICAL SECTIONS |
| ST-I1003 | | PACKAGE 1A - ROADWAY - GOLDEN STATE BOULEVARD BRIDGE AT HERNDON CANAL - FOUNDATION PLAN |
| ST-I1004 | | PACKAGE 1A - ROADWAY - SHAW AVE OVERHEAD - GENERAL PLAN NO. 1 |
| ST-I1005 | | PACKAGE 1A - ROADWAY - SHAW AVE OVERHEAD - GENERAL PLAN NO. 2 |
| ST-I1006 | | PACKAGE 1A - ROADWAY - SHAW AVE OVERHEAD - TYPICAL SECTIONS |
| ST-I1007 | | PACKAGE 1A - ROADWAY - SHAW AVE OVERHEAD - FOUNDATION PLAN |
| ST-I1008 | | PACKAGE 1A - ROADWAY - ASHLAN OVERHEAD - GENERAL PLAN |
| ST-I1009 | | PACKAGE 1A - ROADWAY - ASHLAN OVERHEAD - TYPICAL SECTION |
| ST-I1010 | | PACKAGE 1A - ROADWAY - ASHLAN OVERHEAD - FOUNDATION PLAN |
| ST-I1011 | | PACKAGE 1A - ROADWAY - ASHLAN OVERHEAD - BENT ELEVATION |
| ST-I1012 | | PACKAGE 1A - ROADWAY - CLINTON AVE OVERCROSSING - GENERAL PLAN |
| ST-I1013 | | PACKAGE 1A - ROADWAY - CLINTON AVE OVERCROSSING - TYPICAL SECTION |
| ST-I1014 | | PACKAGE 1A - ROADWAY - CLINTON AVE OVERCROSSING - FOUNDATION PLAN |
| ST-I1015 | | PACKAGE 1A - ROADWAY - CLINTON AVE OVERCROSSING - CONSTRUCTION DETAILS NO. 1 |
| ST-I1016 | | PACKAGE 1A - ROADWAY - CLINTON AVE OVERCROSSING - CONSTRUCTION DETAILS NO. 2 |
| ST-I1017 | | PACKAGE 1A - ROADWAY - FRESNO YARD OVERHEAD (CLINTON/UPRR) - GENERAL PLAN |
| ST-I1018 | | PACKAGE 1A - ROADWAY - FRESNO YARD OVERHEAD (CLINTON/UPRR) - TYPICAL SECTION |
| ST-I1019 | | PACKAGE 1A - ROADWAY - FRESNO YARD OVERHEAD (CLINTON/UPRR) - FOUNDATION PLAN |
| ST-I1020 | | PACKAGE 1A - ROADWAY - FRESNO YARD OVERHEAD (CLINTON/UPRR)- BENT ELEVATION |
| ST-I1021 | | PACKAGE 1A - ROADWAY - MCKINLEY BLVD UNDERCROSSING (WIDEN) - GENERAL PLAN |
| ST-I1022 | | PACKAGE 1A - ROADWAY - MCKINLEY BLVD UNDERCROSSING (WIDEN) - TYPICAL SECTION |
| ST-I1023 | | PACKAGE 1A - ROADWAY - MCKINLEY BLVD UNDERCROSSING (WIDEN) - FOUNDATION PLAN |
| ST-I1024 | | PACKAGE 1A - ROADWAY - VETERANS BOULEVARD OVERHEAD - DRAFT GENERAL PLAN |
| ST-I1025 | | PACKAGE 1A - ROADWAY - VETERANS BOULEVARD OVERHEAD - DRAFT GENERAL PLAN |
| ST-K1026 | | PACKAGE 1A - ROADWAY - DRAFT GENERAL PLAN - W MCKINLEY AVE |
| ST-K1027 | | PACKAGE 1A - ROADWAY - DRAFT GENERAL PLAN - W OLIVE AVE |
| ST-K1028 | | PACKAGE 1A - ROADWAY - DRAFT GENERAL PLAN - BELMONT AVE |
| ST-K1029 | | PACKAGE 1A - ROADWAY - DRAFT GENERAL PLAN - BELMONT AVE |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
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DESIGNED BY A. SHIELDS
DRAWN BY A. SHIELDS
CHECKED BY A. BOONE
IN CHARGE A. BOONE
DATE 02/01/2012

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
INDEX OF DRAWINGS
SHEET 1 OF 5

CONTRACT NO.
DRAWING NO. GE-A0003
SCALE NONE
SHEET NO.

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# VOLUME 3 - ROADWAY

| | | |
|---|---|---|
| CV-GE001 | | PACKAGE 1A - ROADWAY - GENERAL NOTES |
| CV-R0001 | | PACKAGE 1A - ROADWAY - KEY MAP - GOLDEN STATE BOULEVARD |
| CV-R0002 | | PACKAGE 1A - ROADWAY - KEY MAP - SR 99 RE-ALIGNMENT |
| CV-R1001-GSB | | PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD |
| CV-R1002-GSB | | PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD |
| CV-R1003-GSB | | PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD |
| CV-R1004-GSB | | PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD |
| CV-R1005-GSB | | PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD |
| CV-R1006-GSB | | PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD |
| CV-R1007-GSB | | PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD |
| CV-R1008-GSB | | PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD |
| CV-R1009-GSB | | PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD |
| CV-R1010-GSB | | PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD |
| CV-R1011-GSB | | PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD |
| CV-R1012-GSB | | PACKAGE 1A - ROADWAY - PLAN AND PROFILE - VETERANS BOULEVARD |
| CV-R1013-GSB | | PACKAGE 1A - ROADWAY - PLAN AND PROFILE - BULLARD AVENUE |
| CV-R1014-GSB | | PACKAGE 1A - ROADWAY - PLAN AND PROFILE - SHAW AVENUE |
| CV-R1015-GSB | | PACKAGE 1A - ROADWAY - PLAN AND PROFILE - SHAW AVENUE |
| CV-R1016-GSB | | PACKAGE 1A - ROADWAY - PLAN AND PROFILE - CORNELIA AVENUE/SANTA ANA AVENUE |
| CV-R1017-GSB | | PACKAGE 1A - ROADWAY - PLAN AND PROFILE - CORNELIA AVENUE/SANTA ANA AVENUE |
| CV-R3001-GSB | | PACKAGE 1A - ROADWAY - TYPICAL SECTION - GOLDEN STATE BOULEVARD |
| CV-R3002-GSB | | PACKAGE 1A - ROADWAY - TYPICAL SECTION - GOLDEN STATE BOULEVARD |
| CV-R3003-GSB | | PACKAGE 1A - ROADWAY - TYPICAL SECTION - GOLDEN STATE BOULEVARD |
| CV-R3004-GSB | | PACKAGE 1A - ROADWAY - TYPICAL SECTION - GOLDEN STATE BOULEVARD |
| CV-R3005-GSB | | PACKAGE 1A - ROADWAY - TYPICAL SECTION - GOLDEN STATE BOULEVARD |
| CV-R3006-GSB | | PACKAGE 1A - ROADWAY - TYPICAL SECTION - SHAW AVENUE |
| CV-R3007-GSB | | PACKAGE 1A - ROADWAY - TYPICAL SECTION - SHAW AVENUE |
| CV-R3008-GSB | | PACKAGE 1A - ROADWAY - TYPICAL SECTION - SHAW AVENUE & VETERANS BOULEVARD |
| CV-R3009-GSB | | PACKAGE 1A - ROADWAY - TYPICAL SECTION - VETERANS BOULEVARD & BULLARD AVENUE |
| CV-R3010-GSB | | PACKAGE 1A - ROADWAY - TYPICAL SECTION - CORNELIA AVENUE AND MOTEL DRIVE |
| CV-R3011-GSB | | PACKAGE 1A - ROADWAY - TYPICAL SECTION - MOTEL, JENNIFER, KATHRYN & BARSTOW |
| CV-R3012-GSB | | PACKAGE 1A - ROADWAY - TYPICAL SECTION - WEBER, MARKET & STATE |
| | | |
| CV-I1001-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD |
| CV-I1002-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD |
| CV-I1003-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD |
| CV-I1004-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD |
| CV-I1005-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD |
| CV-I1006-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD |
| CV-I1007-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD |

# VOLUME 3 - ROADWAY

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|---|---|---|
| CV-I1008-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD |
| CV-I1009-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD |
| CV-I1010-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD |
| CV-I1011-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD |
| CV-I1012-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD |
| CV-I1013-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD |
| CV-I1014-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD |
| CV-I1015-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD |
| CV-I1016-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD |
| CV-I1017-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD |
| CV-I1018-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD |
| CV-I1019-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD |
| CV-I1020-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD |
| CV-I1021-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD |
| CV-I1022-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 3 - GOLDEN STATE BOULEVARD |
| CV-I1023-GSB | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 3 - GOLDEN STATE BOULEVARD |
| | | |
| CV-G1001-GSB | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD |
| CV-G1002-GSB | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD |
| CV-G1003-GSB | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD |
| CV-G1004-GSB | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD |
| CV-G1005-GSB | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD |
| CV-G1006-GSB | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD |
| CV-G1007-GSB | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD |
| CV-G1008-GSB | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD |
| CV-G1009-GSB | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD |
| CV-G1010-GSB | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD |
| CV-G1011-GSB | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD |
| | | |
| CV-R1001-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY |
| CV-R1002-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY |
| CV-R1003-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY, RAMPS |
| CV-R1004-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY, RAMPS |
| CV-R1005-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY, RAMPS |
| CV-R1006-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY, LOCAL ROADS |
| CV-R1007-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY, LOCAL ROADS |
| CV-R1008-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY |
| CV-R1009-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY, LOCAL ROADS |
| CV-R1010-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY, RAMPS, LOCAL ROADS |
| CV-R1011-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY, RAMPS, LOCAL ROADS |
| CV-R1012-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - W CLINTON AVE |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY A. SHIELDS
DRAWN BY A. SHIELDS
CHECKED BY A. BOONE
IN CHARGE A. BOONE
DATE 02/01/2012

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
INDEX OF DRAWINGS
SHEET 2 OF 5

CONTRACT NO.
DRAWING NO. GE-A0004
SCALE NONE
SHEET NO.

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# VOLUME 3 - ROADWAY

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| CV-R1013-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - W CLINTON AVE |
| CV-R1014-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - N GOLDEN STATE BLVD |
| CV-R1015-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - RAMPS |
| CV-R1016-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - LOCAL ROADS |
| CV-R1017-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - LOCAL ROADS |
| CV-R1018-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - ASHLAN AVE |
| CV-R1019-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - ASHLAN AVE |
| CV-R1020-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - RAMPS |
| CV-R1021-R99 | | PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - RAMPS |
| | | |
| CV-R1101-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - HIGHWAY "A" |
| CV-R1102-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - HIGHWAY "A" |
| CV-R1103-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - HIGHWAY "A" |
| CV-R1104-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - HIGHWAY "A" |
| CV-R1105-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - HIGHWAY "A" |
| CV-R1106-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - HIGHWAY "A" |
| CV-R1107-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - HIGHWAY "A" |
| CV-R1108-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - HIGHWAY "A" |
| CV-R1109-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - HIGHWAY "A" |
| CV-R1110-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - W CLINTON AVE "C" |
| CV-R1111-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - W CLINTON AVE "C" |
| CV-R1112-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "C1" |
| CV-R1113-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "C2" |
| CV-R1114-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "C3" |
| CV-R1115-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "C4" |
| CV-R1116-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "MS" |
| CV-R1117-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "MS" |
| CV-R1118-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "MS" |
| CV-R1119-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "MN4" |
| CV-R1120-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "MN" |
| CV-R1121-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "MN" |
| CV-R1122-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - ASHLAN AVE "AS" |
| CV-R1123-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - ASHLAN AVE "AS" |
| CV-R1124-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "AS1", "AS2" |
| CV-R1125-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "AS3" |
| CV-R1126-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "AS4" |
| CV-R1127-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "AS4" |
| CV-R1128-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "AS4" |
| CV-R1129-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "AS5" |
| CV-R1130-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "H1" |
| CV-R1131-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "H1" |

# VOLUME 3 - ROADWAY

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|---|---|---|
| CV-R1132-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "H2" |
| CV-R1133-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - PLEASANT AVE "P" |
| CV-R1134-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - SHIELDS AVE "S", "SC" |
| CV-R1135-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - VALENTINE AVE "VAL" |
| CV-R1136-R99 | | PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - N PARKWAY DR "V1" |
| | | |
| CV-R0001-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - HIGHWAY |
| CV-R0002-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - HIGHWAY |
| CV-R0003-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - HIGHWAY |
| CV-R0004-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - HIGHWAY |
| CV-R0005-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - HIGHWAY |
| CV-R0006-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - HIGHWAY |
| CV-R0007-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - HIGHWAY |
| CV-R0008-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - HIGHWAY |
| CV-R0009-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - HIGHWAY |
| CV-R0010-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "C1" |
| CV-R0011-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "C2" |
| CV-R0012-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "C3" |
| CV-R0013-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "C4" |
| CV-R0014-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - W CLINTON AVE |
| CV-R0015-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - W CLINTON AVE |
| CV-R0016-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "MS", "MN" |
| CV-R0017-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "MN4" |
| CV-R0018-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "AS1", "AS2", "AS3" |
| CV-R0019-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "AS4" |
| CV-R0020-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "AS4", "AS5" |
| CV-R0021-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - ASHLAN AVE |
| CV-R0022-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "H1", "H2" |
| CV-R0023-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - LOCAL ROAD "W" |
| CV-R0024-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - LOCAL ROAD "S", "SC", "P", "VAL", 'V1" |
| CV-R0025-R99 | | PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - LOCAL ROAD "WP", "NP", "VA" |
| | | |
| CV-R7001-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7002-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7003-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7004-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7005-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7006-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7007-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7008-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7009-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |

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DESIGNED BY A. SHIELDS
DRAWN BY A. SHIELDS
CHECKED BY A. BOONE
IN CHARGE A. BOONE
DATE 02/01/2012

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM
Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
INDEX OF DRAWINGS
SHEET 3 OF 5

CONTRACT NO.
DRAWING NO. GE-A0005
SCALE NONE
SHEET NO.

# VOLUME 3 - ROADWAY

| | | |
|---|---|---|
| CV-R7010-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7011-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7012-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7013-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7014-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7015-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7016-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7017-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7018-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7019-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7020-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| CV-R7021-R99 | | PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT |
| | | |
| CV-I1001-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1A - SR 99 RE - ALIGNMENT |
| CV-I1002-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1A - SR 99 RE - ALIGNMENT |
| CV-I1003-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1A - SR 99 RE - ALIGNMENT |
| CV-I1004-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1A - SR 99 RE - ALIGNMENT |
| CV-I1005-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1A - SR 99 RE - ALIGNMENT |
| CV-I1006-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1A - SR 99 RE - ALIGNMENT |
| CV-I1007-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1A - SR 99 RE - ALIGNMENT |
| CV-I1008-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1B - SR 99 RE - ALIGNMENT |
| CV-I1009-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1B - SR 99 RE - ALIGNMENT |
| CV-I1010-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1B - SR 99 RE - ALIGNMENT |
| CV-I1011-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1B - SR 99 RE - ALIGNMENT |
| CV-I1012-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1B - SR 99 RE - ALIGNMENT |
| CV-I1013-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT |
| CV-I1014-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT |
| CV-I1015-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT |
| CV-I1016-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT |
| CV-I1017-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT |
| CV-I1018-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT |
| CV-I1019-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT |
| CV-I1020-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT |
| CV-I1021-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT |
| CV-I1022-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT |
| CV-I1023-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT |
| CV-I1024-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT |
| CV-I1025-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT |
| CV-I1026-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT |
| CV-I1027-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT |
| CV-I1028-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT |

# VOLUME 3 - ROADWAY

| | | |
|---|---|---|
| CV-I1029-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT |
| CV-I1030-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT |
| CV-I1031-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT |
| CV-I1032-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT |
| CV-I1033-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT |
| CV-I1034-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT |
| CV-I1035-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT |
| CV-I1036-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT |
| CV-I1037-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| CV-I1038-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| CV-I1039-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| CV-I1040-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| CV-I1041-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| CV-I1042-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| CV-I1043-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| CV-I1044-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| CV-I1045-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| CV-I1046-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| CV-I1047-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| CV-I1048-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| CV-I1049-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| CV-I1050-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| CV-I1051-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| CV-I1052-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| CV-I1053-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| CV-I1054-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| CV-I1055-R99 | | PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT |
| | | |
| CV-G1001-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1002-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1003-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1003A-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1004-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1004A-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1005-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1006-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1007-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1008-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1009-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1010-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1011-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |

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DESIGNED BY A. SHIELDS
DRAWN BY A. SHIELDS
CHECKED BY A. BOONE
IN CHARGE A. BOONE
DATE 02/01/2012

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM
Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
INDEX OF DRAWINGS
SHEET 4 OF 5

CONTRACT NO.
DRAWING NO. GE-A0006
SCALE NONE
SHEET NO.

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# VOLUME 3 - ROADWAY

| | | |
|---|---|---|
| CV-G1012-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1013-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1014-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1015-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1016-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1017-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1018-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1019-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1020-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |
| CV-G1021-R99 | | PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT |

VOLUME 3 - ROADWAY

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DESIGNED BY A. SHIELDS
DRAWN BY A. SHIELDS
CHECKED BY A. BOONE
IN CHARGE A. BOONE
DATE 02/01/2012

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

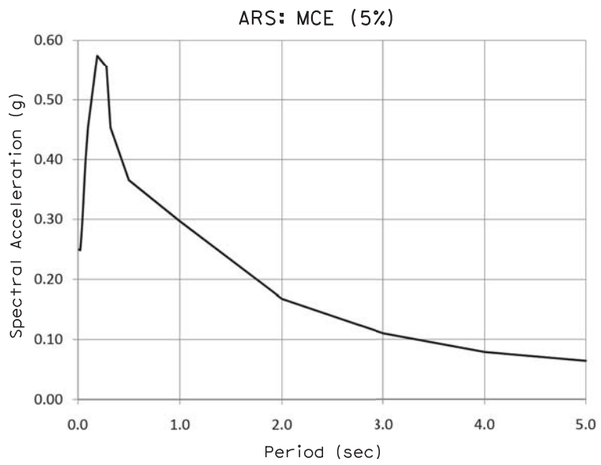
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
INDEX OF DRAWINGS
SHEET 5 OF 5

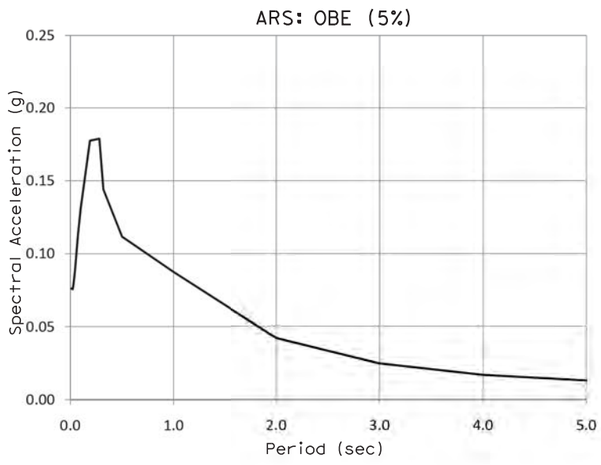
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DRAWING NO. GE-A0007
SCALE NONE
SHEET NO.

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# GENERAL NOTES
# LOAD AND RESISTANCE FACTOR DESIGN

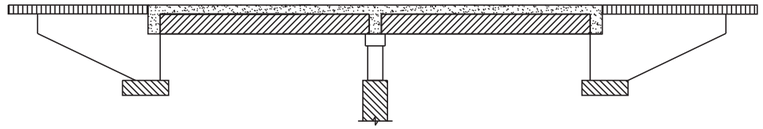
| | |
|---|---|
| DESIGN: | HIGH SPEED RAIL TECHNICAL MEMORANDA,<br>AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS<br>4th EDITION AND CALTRANS AMENDMENTS |
| STANDARD SPECIFICATIONS: | HIGH SPEED RAIL SPECIFICATIONS,<br>CALTRANS STANDARD SPECIFICATIONS<br>DATED MAY 2006 |
| SEISMIC DESIGN: | HIGH SPEED RAIL TECHNICAL MEMORANDA,<br>CALTRANS SEISMIC DESIGN CRITERIA (SDC)<br>VERSION 1.6, NOVEMBER 2010 |
| DEAD LOAD: | INCLUDES 35 PSF FOR FUTURE WEARING SURFACE |
| LIVE LOADING: | HL93 AND PERMIT DESIGN LOAD |
| WIND LOAD: | 100 MPH WIND VELOCITY |
| REINFORCED CONCRETE: | fy = 60 ksi<br>f'c = SEE CONCRETE STRENGTH AND TYPE LIMITS |
| PRESTRESSED CONCRETE: | LOW RELAXATION STRANDS<br>fpy = 243 ksi<br>fpu = 270 ksi<br>f'ci = 5 ksi AT TIME OF RELEASE<br>f'c = 7 ksi AT 28 DAYS |
| PILES: | CLASS 200 PILES B2-8<br>CLASS 140 PILES<br>CLASS 90 PILES B2-5 |




# GENERAL STRUCTURAL NOTES

1. PILE/SHAFT LENGTHS TO BE DETERMINED
2. EMBEDDED ITEMS REQUIRED FOR UTILITY INSTALLATIONS ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS. CONTRACTOR SHALL REFER TO THE UTILITY DRAWINGS FOR THE LOCATIONS AND DETAILS OF THESE ITEMS.
3. MSE WALL REINFORCEMENT AND PANEL TO BE DETERMINED
4. ALL STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND OTHER DRAWINGS RELATED TO THE WORK.
5. ALL SPANS ARE DESIGNED CONTINUOUS FOR LIVE LOAD.



- STRUCTURAL CONCRETE, BRIDGE f'c = 5 ksi AT 28 DAYS
- STRUCTURAL CONCRETE, APPROACH SLAB f'c = 4 ksi AT 28 DAYS
- STRUCTURAL CONCRETE, SUPERSTRUCTURE f'c = 5 ksi AT 28 DAYS
- STRUCTURAL CONCRETE, BRIDGE FOOTING f'c = 4 ksi AT 28 DAYS
- PRECAST PRESTRESSED GIRDER f'c = SEE PRESTRESSED CONCRETE

## CONCRETE STRENGTH AND TYPE LIMITS
NO SCALE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY M. BURGARD
DRAWN BY D. BARNHART
CHECKED BY E. MORAN
IN CHARGE Y. BERI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
California High-Speed Train

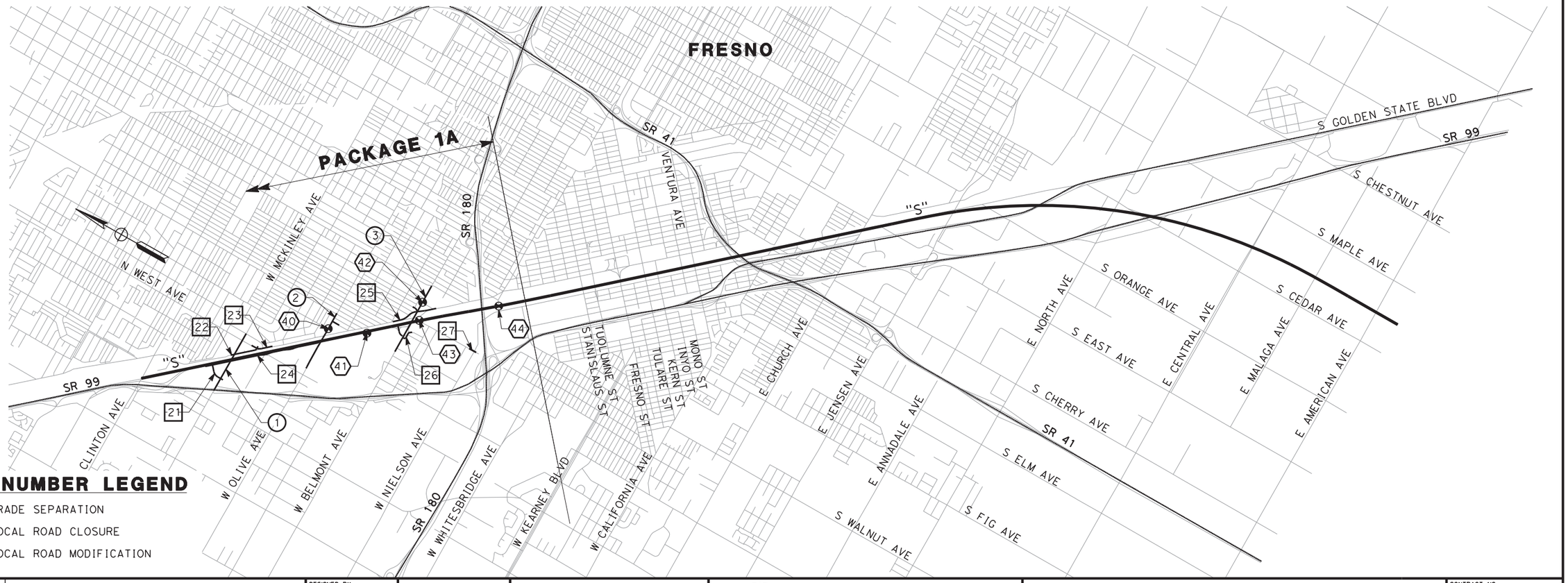
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
GENERAL STRUCTURAL NOTES

CONTRACT NO.
DRAWING NO. CV-B0002
SCALE AS SHOWN
SHEET NO.

| LOCATION NO. | SHEET TITLE | ROADWAY DWG NO. | STRUCTURE DWG NO. |
|---|---|---|---|
| (1) | GRADE SEPARATION - MCKINLEY AVE | CV-T1001 - CV-T1003 | ST-K1026 |
| (2) | GRADE SEPARATION - OLIVE AVE | CV-T1007 - CV-T1008 | ST-K1027 |
| (3) | GRADE SEPARATION - BELMONT AVE | CV-T1009 - CV-T1010 | ST-K1028 - ST-K1029 |
| [21] | LOCAL ROAD - MCKINLEY AVE CONNECTOR | CV-T1001 & CV-T1003 | - |
| [22] | LOCAL ROAD - N WEBER AVE | CV-T1001 & CV-T1003 | - |
| [23] | LOCAL ROAD - N WEST AVE | CV-T1004 | - |
| [24] | LOCAL ROAD - N GOLDEN STATE BLVD | CV-T1001 - CV-T1006 | - |
| [25] | LOCAL ROAD - N H ST / N WEBER AVE | CV-T1009 & CV-T1011 | - |
| [26] | LOCAL ROAD - N WESLEY AVE | CV-T1009 & CV-T1011 | - |
| [27] | LOCAL ROAD - N THORNE AVE | CV-R1001-THN - CV-R1002-THN | - |

| LOCATION NO. | SHEET TITLE | ROADWAY DWG NO. | STRUCTURE DWG NO. |
|---|---|---|---|
| (40) | ROAD CLOSURE - N DELNO AVE | CV-T1007 | - |
| (41) | ROAD CLOSURE - N GOLDEN STATE BLVD | CV-T1004 - CV-T1007 | - |
| (42) | ROAD CLOSURE - N HARRISON AVE | CV-T1009 | - |
| (43) | ROAD CLOSURE - N THORNE AVE | CV-T1009 | - |
| (44) | ROAD CLOSURE - DIVISADERO ST | CV-T5001 | - |




## LOCATION NUMBER LEGEND

(#) - INDICATES GRADE SEPARATION

⟨#⟩ - INDICATES LOCAL ROAD CLOSURE

[#] - INDICATES LOCAL ROAD MODIFICATION

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY I. JOSIFEK
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE O. EARLE
DATE 02/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

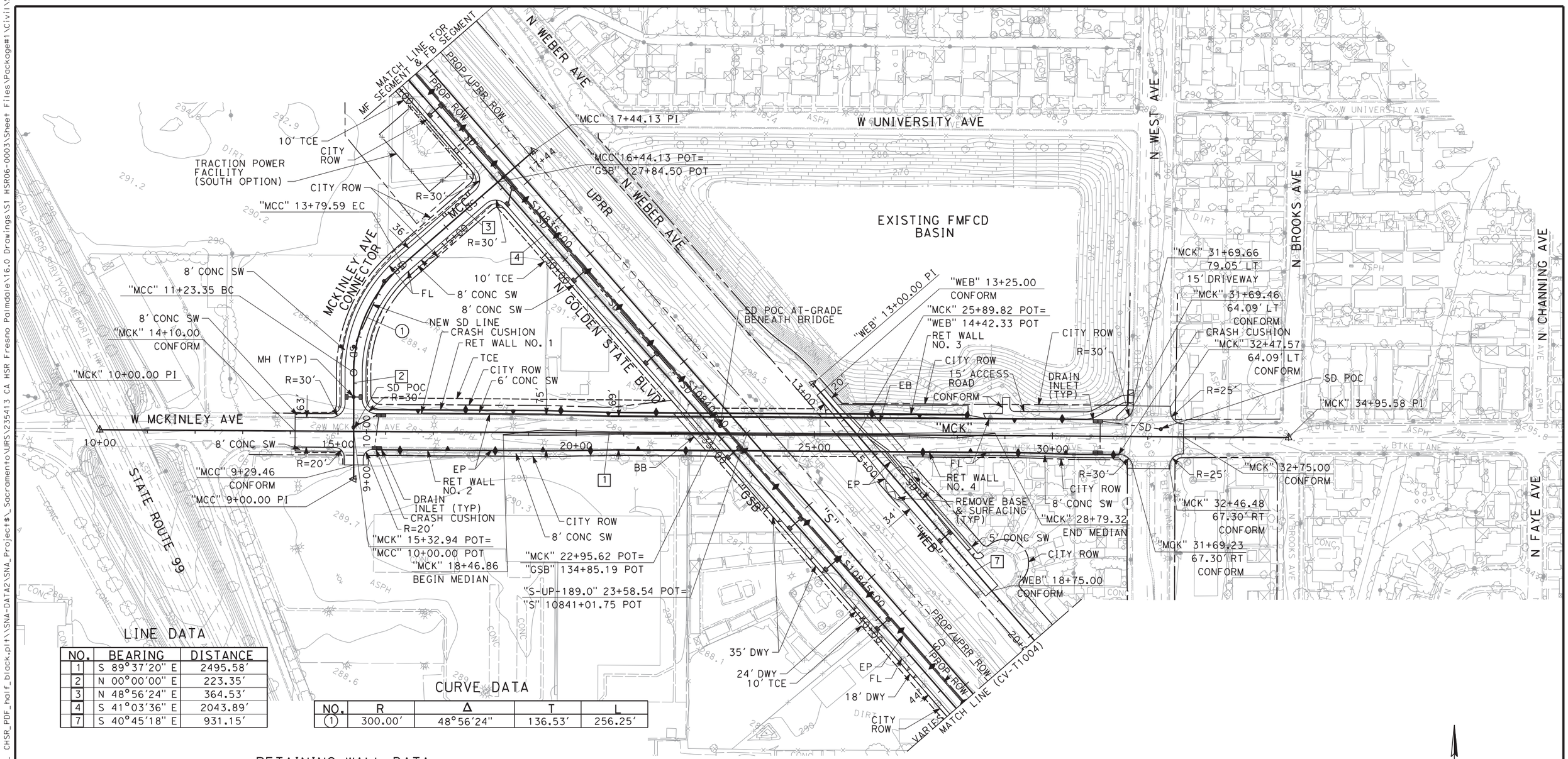
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
INDEX MAP

CONTRACT NO.
DRAWING NO. CV-B0003
SCALE NO SCALE
SHEET NO.

2/16/2012 4:12:34 PM CAHSRP-r1.tbl CHSR_PDF_half_black.plt \\SNA-DATA2\SNA_Project$_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-G

NET53329




## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 1 | S 89°37'20" E | 2495.58' |
| 2 | N 00°00'00" E | 223.35' |
| 3 | N 48°56'24" E | 364.53' |
| 4 | S 41°03'36" E | 2043.89' |
| 7 | S 40°45'18" E | 931.15' |

## CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (1) | 300.00' | 48°56'24" | 136.53' | 256.25' |

## RETAINING WALL DATA

| NO. | LOCATIONS | | LENGTH | AVG HEIGHT |
|---|---|---|---|---|
| | BEGIN | END | | |
| 1 | 45.50' LT "MCK" 15+80.44 | 42.50' LT "MCK" 22+17.63 | 637' | 20' |
| 2 | 37.50' RT "MCK" 15+80.44 | 34.50' RT "MCK" 22+88.21 | 708' | 20' |
| 3 | 42.50' LT "MCK" 26+07.75 | 34.50' LT "MCK" 30+70.00 | 447' | 10' |
| 4 | 34.50' RT "MCK" 26+78.12 | 37.50' RT "MCK" 31+39.23 | 461' | 10' |

100 0 100 200
1"=100'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY J. NETTLETON
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE O. EARLE
DATE 02/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

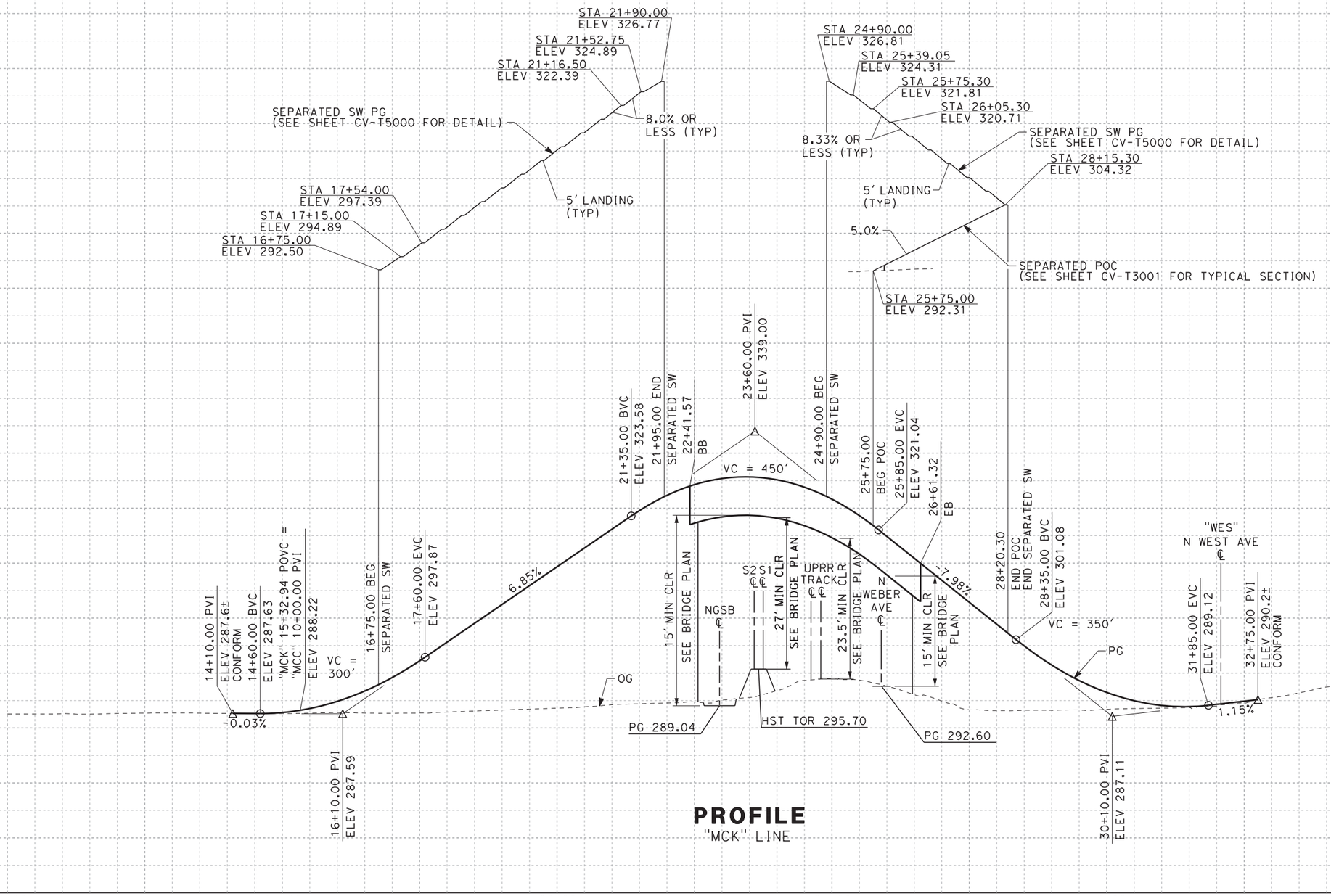
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADE SEPARATION LAYOUT
W MCKINLEY AVE

CONTRACT NO.
DRAWING NO. CV-T1001
SCALE AS SHOWN
SHEET NO.

NET53329 2/15/2012 8:15:49 AM CAHSRP-R1.TBL CHSR_PDF_half_black.plt \\SNA-DATA2\SNA_Project$_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-G

NOTES:

1. FOR BRIDGE INFORMATION, SEE STRUCTURAL PLANS.
2. SIDEWALK PROFILE CONTROLLED BY ROADWAY PROFILE EXCEPT AS SHOWN.




# PROFILE

"MCK" LINE

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

100 0 100 200
1"=100' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY J. NETTLETON
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE Q. EARLE
DATE 12/08/11

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

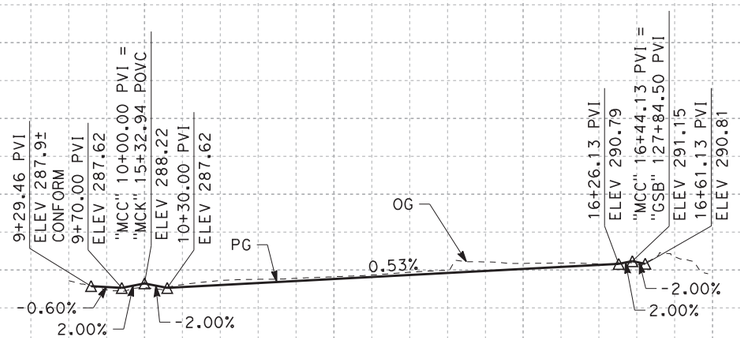
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
GRADE SEPARATION PROFILE
W MCKINLEY

CONTRACT NO.
DRAWING NO. CV-T1002
SCALE AS SHOWN
SHEET NO.

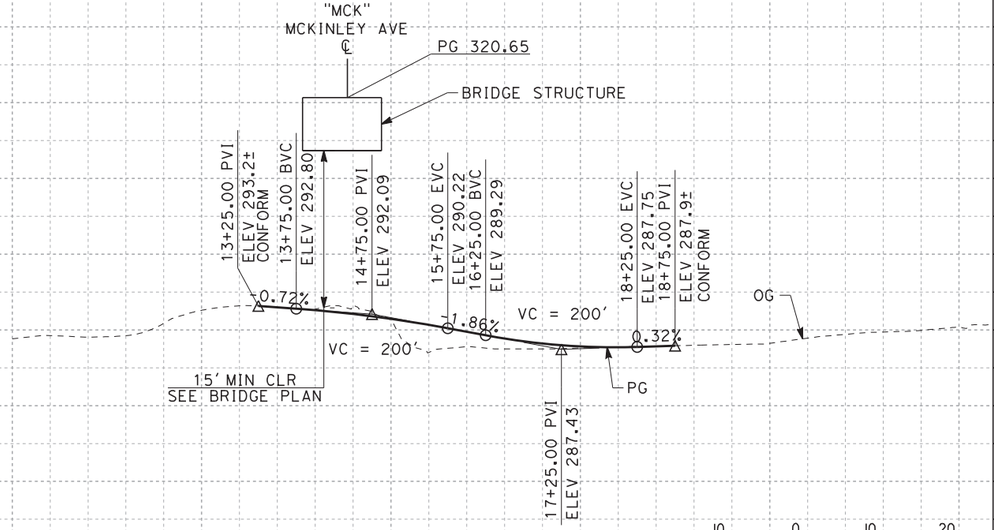

HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-CV-T1002.dgn
CAHSRP-r1.tbl CHSR_PDF_half_black.plt G:_Sacramento\URS\235413 CA HSR
12/2/2011 2:38:49 PM
ort52801

NOTES:

1. FOR BRIDGE INFORMATION, SEE STRUCTURAL PLANS.




**PROFILE**
"MCC" LINE




**PROFILE**
"WEB" LINE

340 330 320 310 300 290 280 270 260 250 240

5+00 10+00 15+00 20+00 10+00 15+00 20+00

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY J. NETTLETON
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE O. EARLE
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

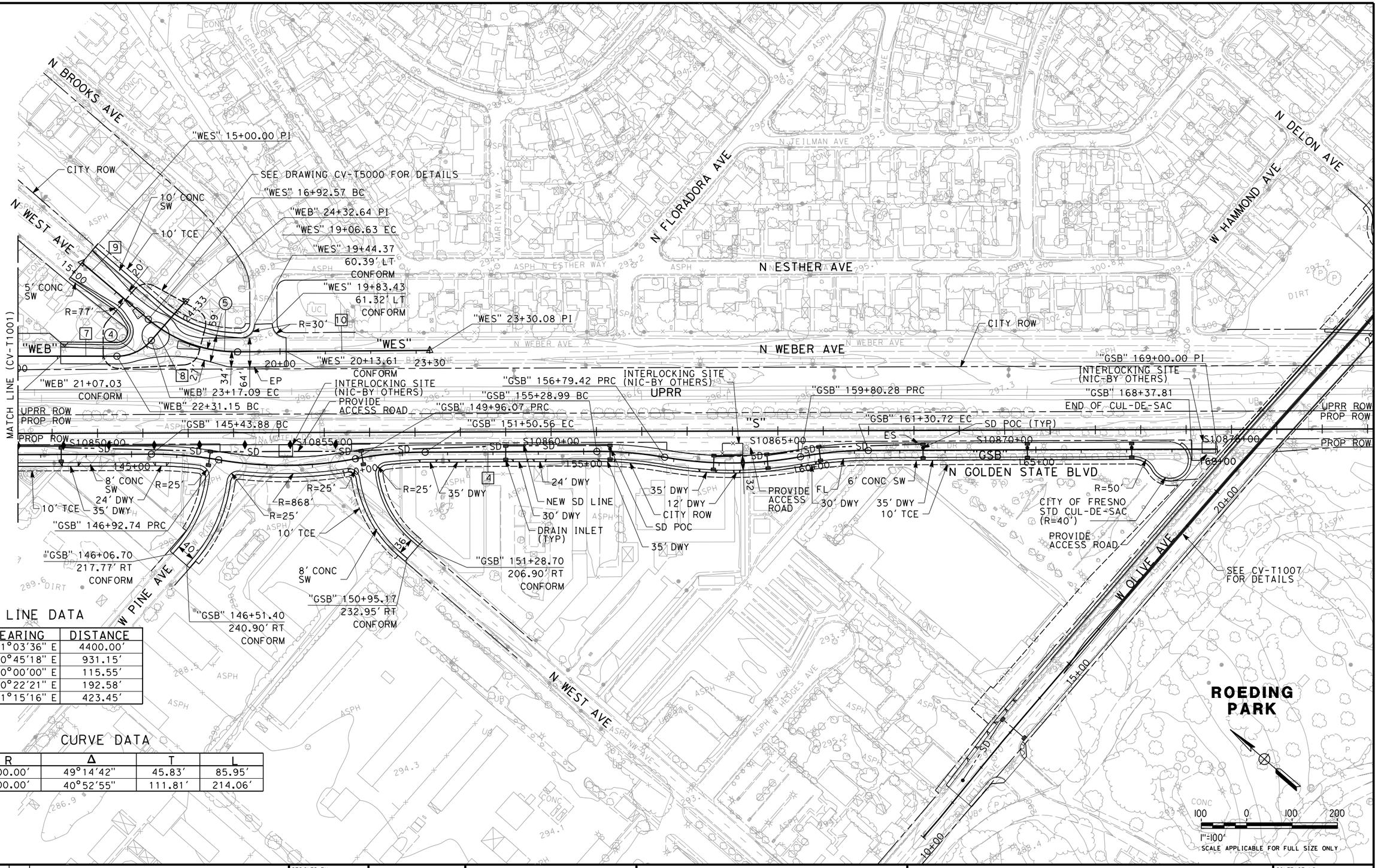
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADE SEPARATION PROFILE
MCKINLEY AVE CONNECTOR/N WEBER AVE

CONTRACT NO.
DRAWING NO. CV-T1003
SCALE AS SHOWN
SHEET NO.

DEA54595 12/1/2011 3:59:55 PM CAHSRP-r1.tbl CHSR_PDF_half_black.pltG:_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-CV-T1003.dgn

NET53329 3/20/2012 2:53:16 PM CAHSRP-r1.tbl CHSR_PDF_half_black.pltG:_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-CV-T1004.dgn




## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 4 | S 41°03'36" E | 4400.00' |
| 7 | N 40°45'18" E | 931.15' |
| 8 | N 90°00'00" E | 115.55' |
| 9 | N 00°22'21" E | 192.58' |
| 10 | S 41°15'16" E | 423.45' |

## CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (4) | 100.00' | 49°14'42" | 45.83' | 85.95' |
| (5) | 300.00' | 40°52'55" | 111.81' | 214.06' |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY J. NETTLETON
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE O. EARLE
DATE 03/20/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

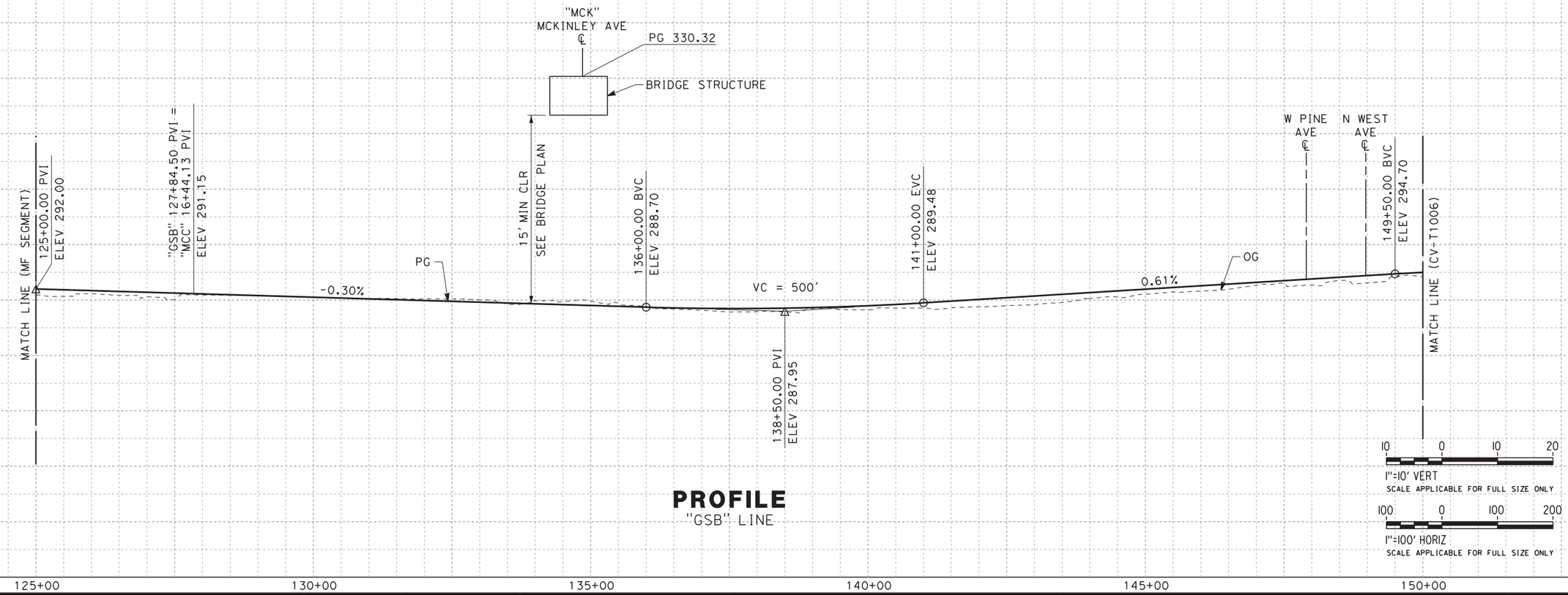
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADE SEPARATION LAYOUT
N GOLDEN STATE BLVD

CONTRACT NO.
DRAWING NO. CV-T1004
SCALE AS SHOWN
SHEET NO.

NOTES:

1. FOR BRIDGE INFORMATION, SEE STRUCTURAL PLANS.




# PROFILE

"GSB" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY J. NETTLETON
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE O. EARLE
DATE 02/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

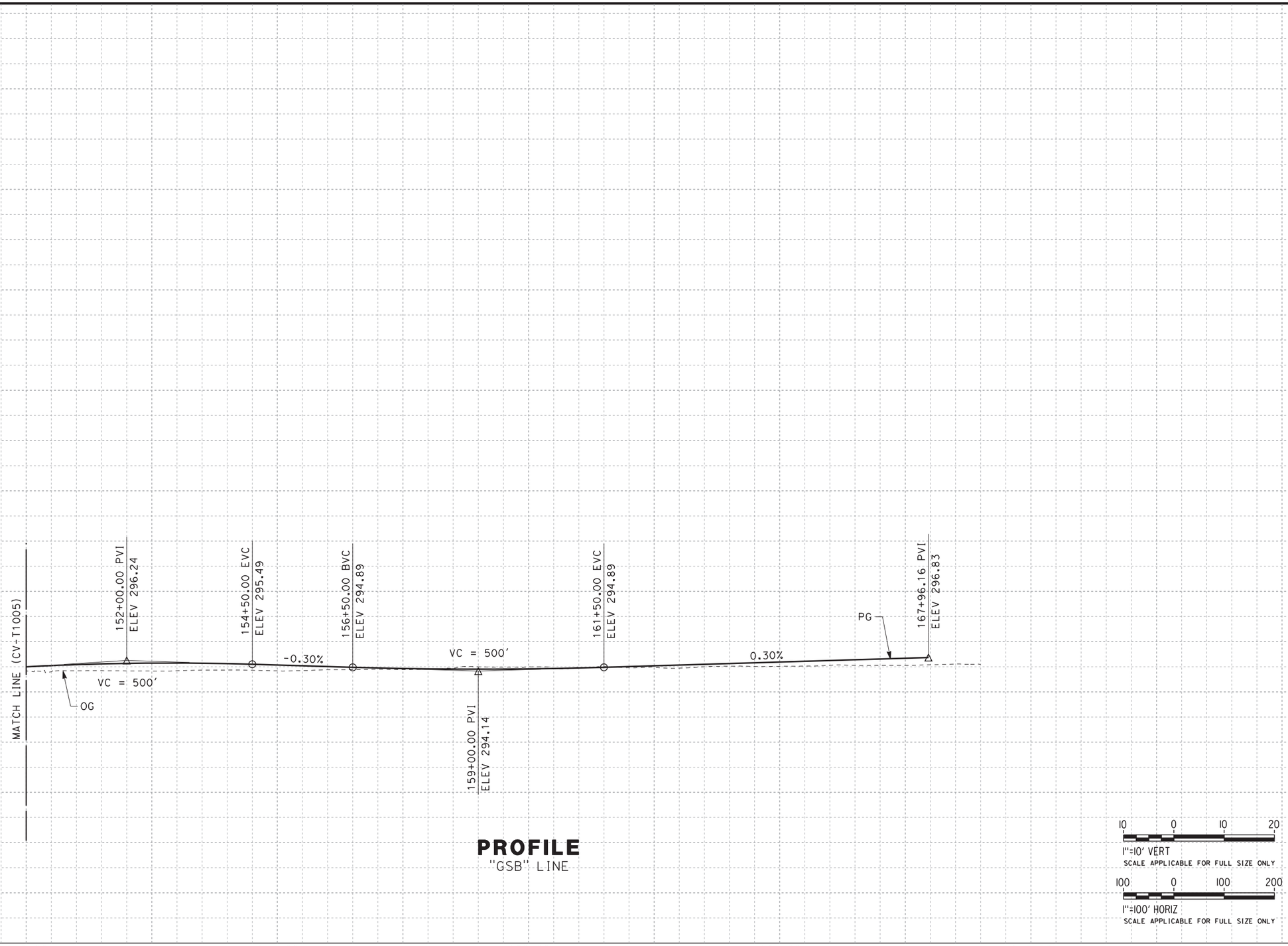
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
GRADE SEPARATION PROFILE
N GOLDEN STATE BLVD

CONTRACT NO.
DRAWING NO. CV-T1005
SCALE AS SHOWN
SHEET NO.

NET53329 2/15/2012 9:34:56 AM CAHSRP-r1.tbl CHSR_PDF_half_block.plt \\SNA-DATA2\SNA_Project$_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-G

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# PROFILE
"GSB" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY J. NETTLETON
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE O. EARLE
DATE 02/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP

CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
GRADE SEPARATION PROFILE
N GOLDEN STATE BLVD

CONTRACT NO.
DRAWING NO. CV-T1006
SCALE AS SHOWN
SHEET NO.

2/15/2012 9:38:06 AM CAHSRP-r1.tbl CHSR_PDF_half_black.plt \\SNA-DATA2\SNA_Project$_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-G
NET53329

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NET53329 2/15/2012 8:16:02 AM

N WEST AVE
INTERLOCKING SITE (NIC-BY OTHERS)
PROP ROW/UPRR ROW
S10865+00 PROP ROW
N GOLDEN STATE BLVD
UPRR
N WEBER AVE
N DELNO AVE
ASPH W HEDGES AVE
W HAMMOND AVE
N FRUIT AVE
SEE CV-T1004 FOR DETAILS
"OLI" 24+25.60 BC
"OLI" 25+09.27 EC
N DELNO AVE TO BE CLOSED TO W OLIVE AVE
8' CONC SW
CITY OF FRESNO STD CUL-DE-SAC (R=40')
"CAR" 10+00.00 POT= "OLI" 30+48.70 POT
"OLI" 32+11.00 END MEDIAN
SD POC
"OLI" 34+00.90 PI
NEW SD LINE
"OLI" 14+76.46 BEGIN MEDIAN
"OLI" 11+20.37 CONFORM
"OLI" 10+55.88 PI
"OLI" 10+00.00 PI
30' DWY
8' CONC SW
25' DWY
6' CONC SW
CITY ROW
CRASH CUSHION
10' TCE
RET WALL NO. 1
INTERLOCKING HOUSE (NIC-BY OTHERS)
R=50'
TCE
EB
RET WALL NO. 3
5' CONC SW
NEW SD LINE
16' DWY
W OLIVE AVE
"OLI"
EP
SD
10+00
15+00
20+00
25+00
30+00
34+00
"OLI" 33+34.46 CONFORM
R=25'
DRAIN INLET (TYP)
RET WALL NO. 2
BB
R=5'
RET WALL NO. 4
10' CONC SW
5' CONC SW
"OLI" 12+11.28 60.36' RT CONFORM
"OLI" 12+73.20 PI
"OLI" 18+94.11 BC
"OLI" 12+77.25 61.42' RT CONFORM
"S-UP-189.7" 21+83.13 POC = "S" 10875+88.70 POT
"OLI" 23+24.26 EC
S10880+00
S10985+00
PROP ROW/UPRR ROW
PROP ROW
R=16'
10' TCE
5' CONC SW
CITY ROW
CRASH CUSHION
30+00
N CARRUTH AVE
10' CONC SW
15' DWY
18' DWY
10' TCE
19' DWY
14.5' CONC SW
8' TCE
12' DWY
"CAR" 12+69.34 CONFORM
"CAR" 13+00.00 PI
W DENNET AVE
ROEDING PARK

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 1 | N 89°44'60" E | 894.11' |
| 2 | S 88°36'25" E | 101.34' |
| 3 | N 89°47'42" E | 890.83' |

## CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (1) | 15000.00' | 01°38'35" | 215.09' | 430.15' |
| (2) | 3000.00' | 01°35'53" | 41.84' | 83.67' |

## RETAINING WALL DATA

| NO. | LOCATIONS | | LENGTH | AVG HEIGHT |
|---|---|---|---|---|
| | BEGIN | END | | |
| 1 | 42.50' LT "OLI" 13+70.59 | 42.50' LT "OLI" 20+74.33 | 772' | 20' |
| 2 | 34.50' RT "OLI" 13+09.96 | 34.50' RT "OLI" 21+45.38 | 835' | 20' |
| 3 | 42.50' LT "OLI" 24+72.00 | 42.50' RT "OLI" 31+40.00 | 668' | 15' |
| 4 | 34.50' RT "OLI" 25+41.90 | 34.50' RT "OLI" 30+15.04 | 473' | 15' |

100 0 100 200
1"=100'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY I. JOSIFEK
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE O. EARLE
DATE 02/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

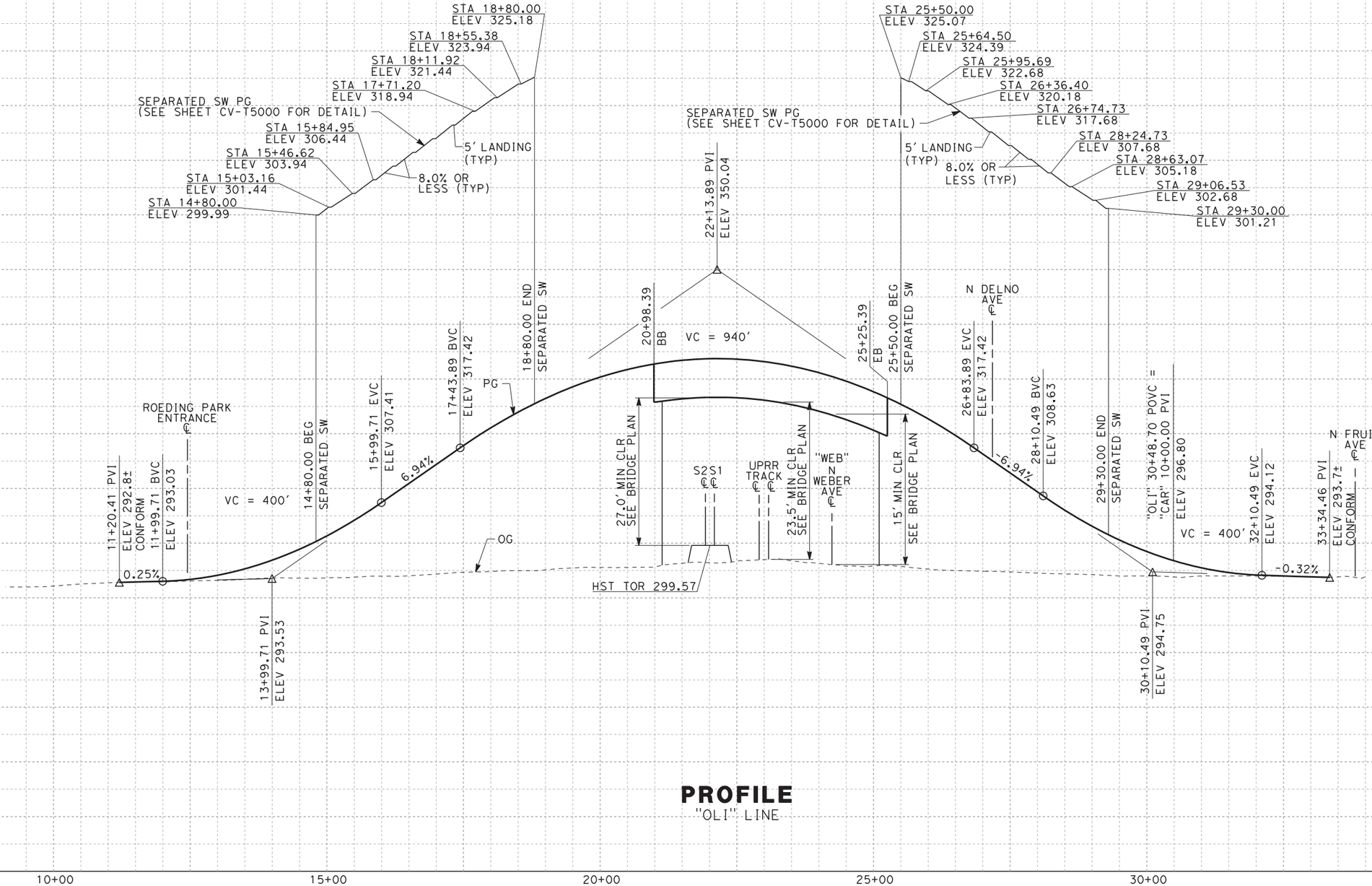
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADE SEPARATION LAYOUT
W OLIVE AVE

CONTRACT NO.
DRAWING NO. CV-T1007
SCALE AS SHOWN
SHEET NO.

NOTES:

1. FOR BRIDGE INFORMATION, SEE STRUCTURAL PLANS.
2. SIDEWALK PROFILE CONTROLLED BY ROADWAY PROFILE EXCEPT AS SHOWN.




**PROFILE**
"OLI" LINE

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

100 0 100 200
1"=100' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY I. JOSIFEK
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE O. EARLE
DATE 02/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

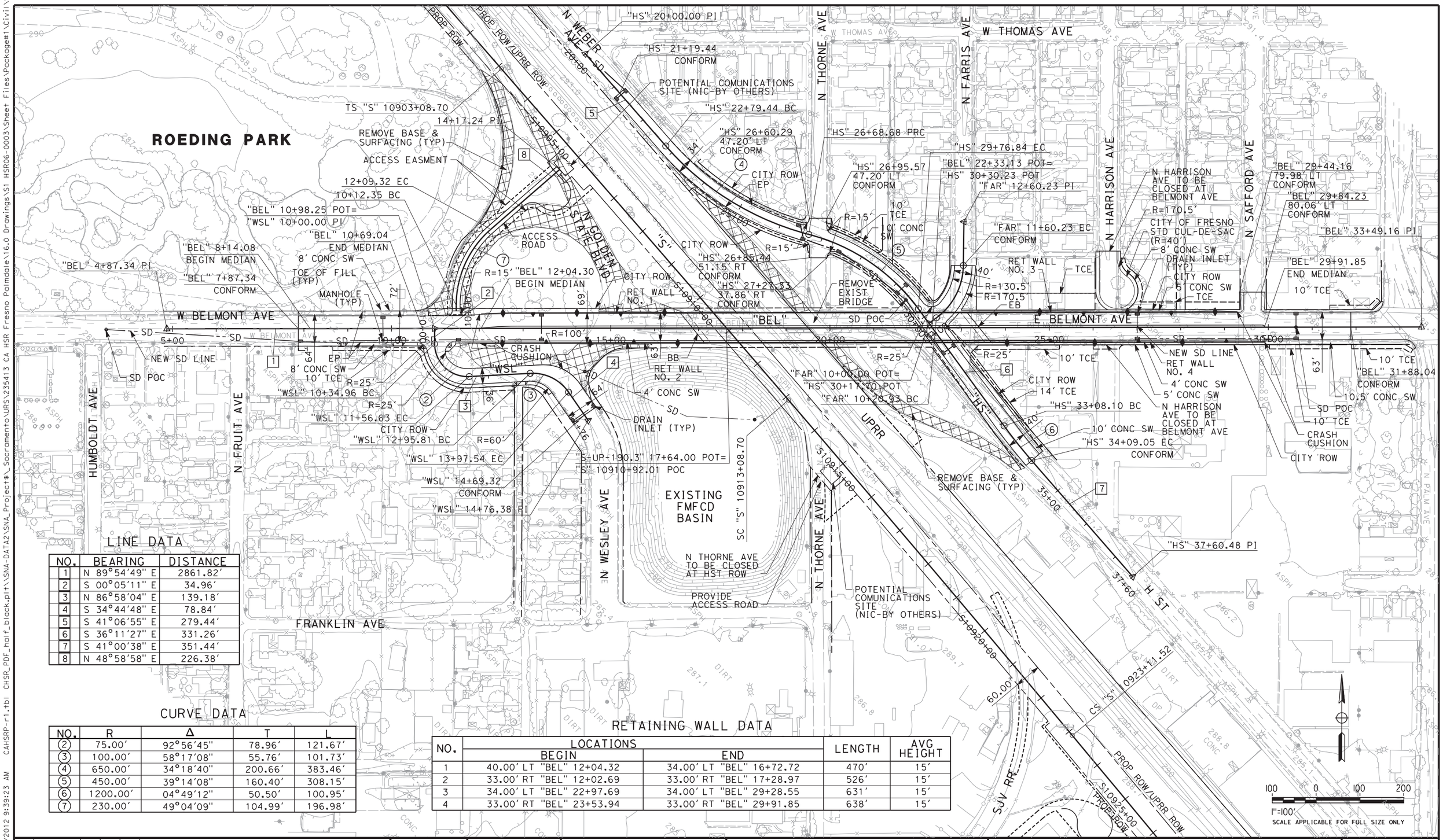
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
GRADE SEPARATION PROFILE
W OLIVE AVE

CONTRACT NO.
DRAWING NO. CV-T1008
SCALE AS SHOWN
SHEET NO.

2/15/2012 8:16:04 AM CAHSRP-R1.TBL CHSR_PDF_half_black.plt \\SNA-DATA2\SNA_Project$_Sacramento\URS\235413 CA HSR Fresno Palmdale\6.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-G

NET53329




## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 1 | N 89°54'49" E | 2861.82' |
| 2 | S 00°05'11" E | 34.96' |
| 3 | N 86°58'04" E | 139.18' |
| 4 | S 34°44'48" E | 78.84' |
| 5 | S 41°06'55" E | 279.44' |
| 6 | S 36°11'27" E | 331.26' |
| 7 | S 41°00'38" E | 351.44' |
| 8 | N 48°58'58" E | 226.38' |

## CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (2) | 75.00' | 92°56'45" | 78.96' | 121.67' |
| (3) | 100.00' | 58°17'08" | 55.76' | 101.73' |
| (4) | 650.00' | 34°18'40" | 200.66' | 383.46' |
| (5) | 450.00' | 39°14'08" | 160.40' | 308.15' |
| (6) | 1200.00' | 04°49'12" | 50.50' | 100.95' |
| (7) | 230.00' | 49°04'09" | 104.99' | 196.98' |

## RETAINING WALL DATA

| NO. | LOCATIONS | | LENGTH | AVG HEIGHT |
|---|---|---|---|---|
| | BEGIN | END | | |
| 1 | 40.00' LT "BEL" 12+04.32 | 34.00' LT "BEL" 16+72.72 | 470' | 15' |
| 2 | 33.00' RT "BEL" 12+02.69 | 33.00' RT "BEL" 17+28.97 | 526' | 15' |
| 3 | 34.00' LT "BEL" 22+97.69 | 34.00' LT "BEL" 29+28.55 | 631' | 15' |
| 4 | 33.00' RT "BEL" 23+53.94 | 33.00' RT "BEL" 29+91.85 | 638' | 15' |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY I. JOSIFEK
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE Q. EARLE
DATE 02/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADE SEPARATION LAYOUT
BELMONT AVE

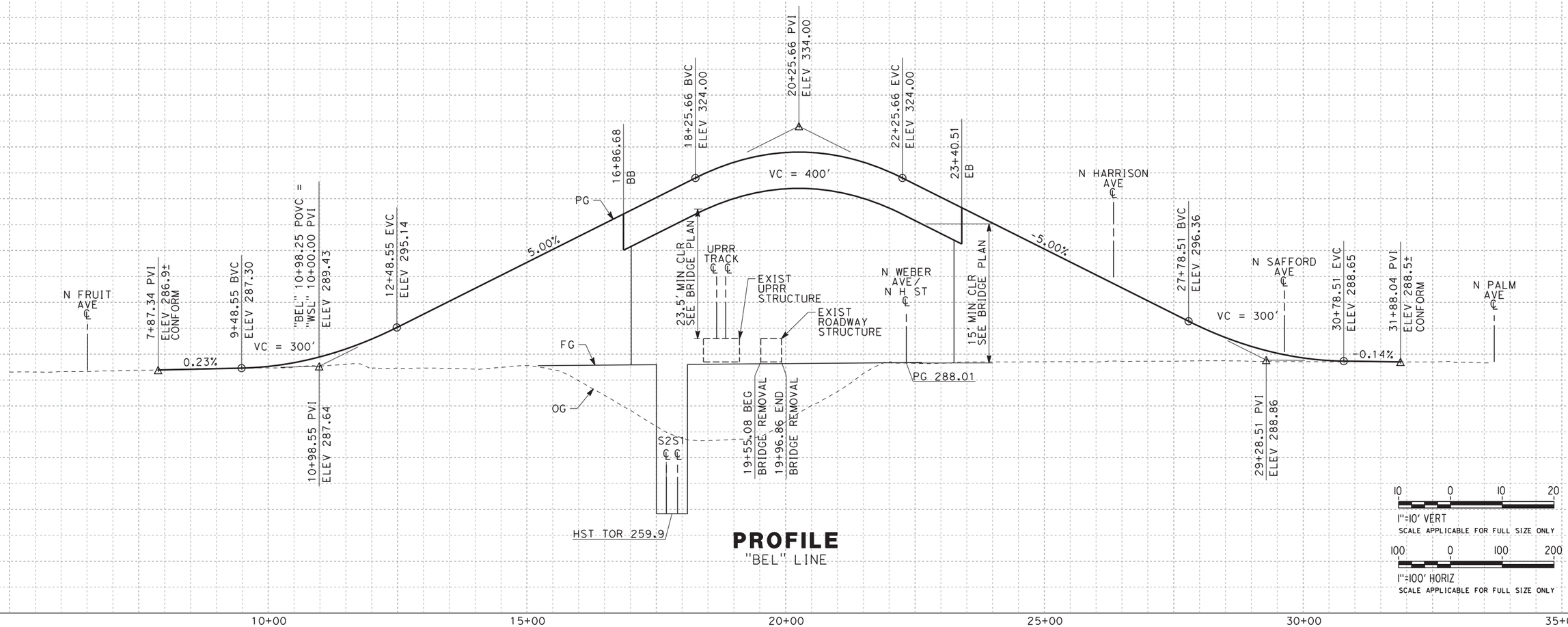
CONTRACT NO.
DRAWING NO. CV-T1009
SCALE AS SHOWN
SHEET NO.

NET53329 2/15/2012 9:39:23 AM CAHSRP-r1.tbl CHSR_PDF_half_black.plt \\SNA-DATA2\SNA_Project#_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-Q

C:\Documents and Settings\sramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-CAHSRP-R1.TBL CHSR_PDF_half_black.plt\\SNA-DATA2\SNA_Projects_Sacramento\

NOTES:

1. FOR BRIDGE INFORMATION, SEE STRUCTURAL PLANS.




# PROFILE

"BEL" LINE

10 0 10 20

1"=10' VERT

SCALE APPLICABLE FOR FULL SIZE ONLY

100 0 100 200

1"=100' HORIZ

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY I. JOSIFEK
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE O. EARLE
DATE 02/17/12

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

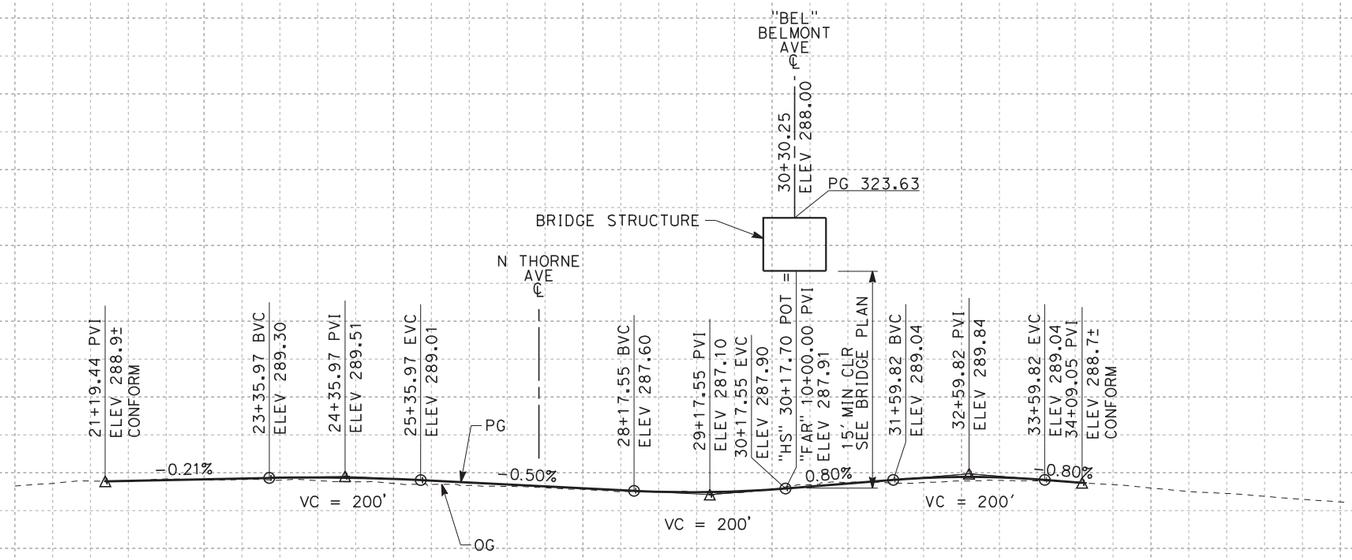
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
GRADE SEPARATION PROFILE
BELMONT AVE

CONTRACT NO.
DRAWING NO. CV-T1010
SCALE AS SHOWN
SHEET NO.

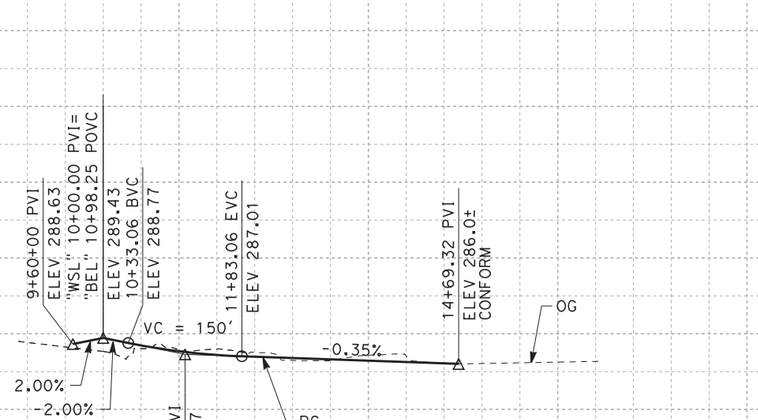
2/15/2012 8:16:10 AM CAHSRP-R1.TBL CHSR_PDF_half_black.plt\\SNA-DATA2\SNA_Projects_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-CAHSRP-R1.TBL
NET53329

NOTES:

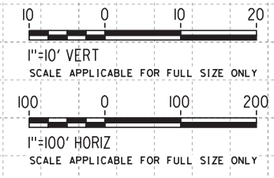
1. FOR BRIDGE INFORMATION, SEE STRUCTURAL PLANS.




**PROFILE**
"HS" LINE




**PROFILE**
"WSL" LINE




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY I. JOSIFEK
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE Q. EARLE
DATE 02/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

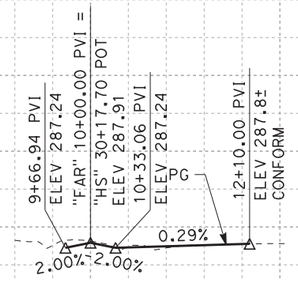
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADE SEPARATION PROFILE
N H ST/N WESLEY AVE

CONTRACT NO.
DRAWING NO. CV-T1011
SCALE AS SHOWN
SHEET NO.

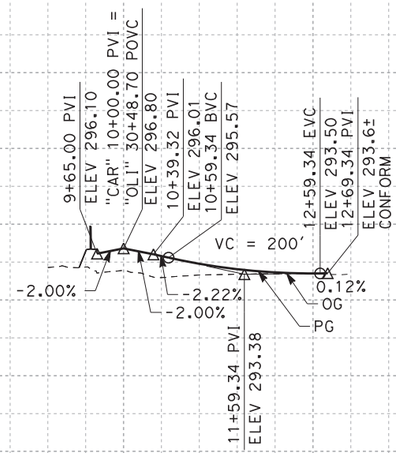
2/15/2012 8:16:11 AM CAHSRP-R1.TBL CHSR_PDF_half_black.plt \\SNA-DATA2\SNA_Project$_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-GRADE SEPARATION PROFILE N H ST-N WESLEY AVE.dgn
NET53329

NOTES:

1. FOR BRIDGE INFORMATION, SEE STRUCTURAL PLANS.




## PROFILE
"FAR" LINE




## PROFILE
"CAR" LINE

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

100 0 100 200
1"=100' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

350 340 330 320 310 300 290 280 270 260 250 240

5+00 10+00 15+00 5+00 10+00 15+00

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY I. JOSIFEK
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE O. EARLE
DATE 02/17/12

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

URS | HMM | ARUP
California High-Speed Train

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADE SEPARATION PROFILE
N CARUTH AVE/N FARRIS AVE

CONTRACT NO.
DRAWING NO. CV-T1012
SCALE AS SHOWN
SHEET NO.

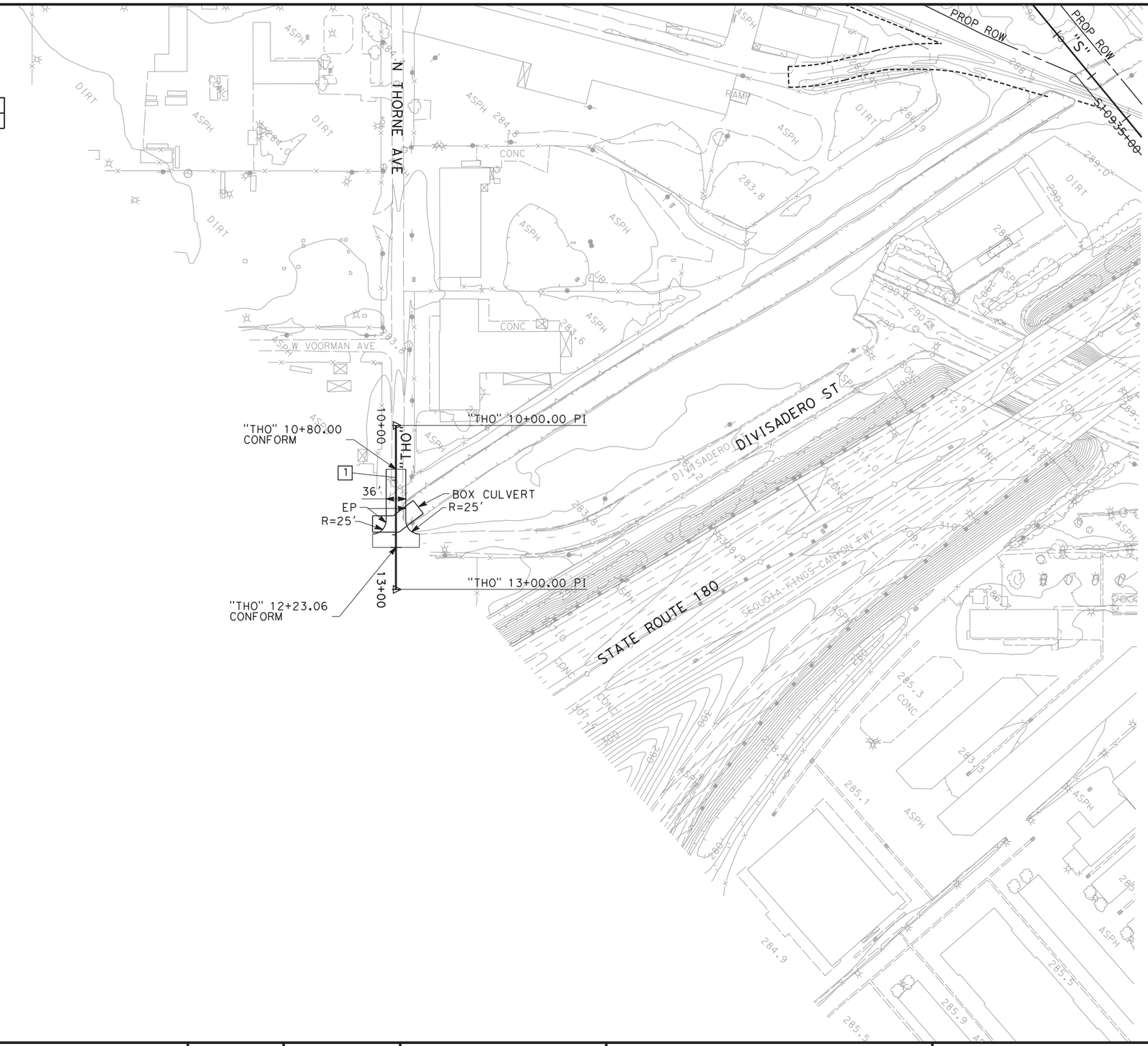
2/15/2012 8:16:11 AM CAHSRP-R1.TBL CHSR_PDF_half_black.plt \\SNA-DATA2\SNA_Projects_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-G

NET53329

DEA54595 12/1/2011 3:42:20 PM CAHSRP-r1.tbl CHSR_PDF_half_black.plt G:_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-CV-R1001-THN.dgn

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 3 | N 00°00'00" E | 207.32' |




### NOTES:

1. BOX CULVERT TO BE REPLACED "IN-KIND".
2. SUBJECT TO APPROVAL BY CITY OF FRESNO AND FRESNO IRRIGATION DISTRICT.

100 0 100 200
1"=100'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY J. NETTLETON
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE O. EARLE
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

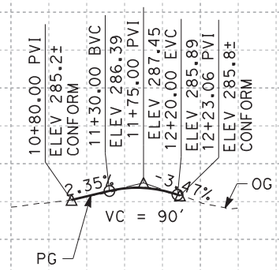
URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
ROADWAY LAYOUT
N THORNE AVE

CONTRACT NO.
DRAWING NO. CV-R1001-THN
SCALE AS SHOWN
SHEET NO.

DEA54595 12/1/2011 3:59:49 PM CAHSRP-r1.tbl CHSR_PDF_half_black.plt6:_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-CV-R1002-THN.dgn




# PROFILE
"THO" LINE

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

100 0 100 200
1"=100' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

330 320 310 300 290 280 270 260 250

10+00 15+00

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY J. NETTLETON
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE O. EARLE
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP

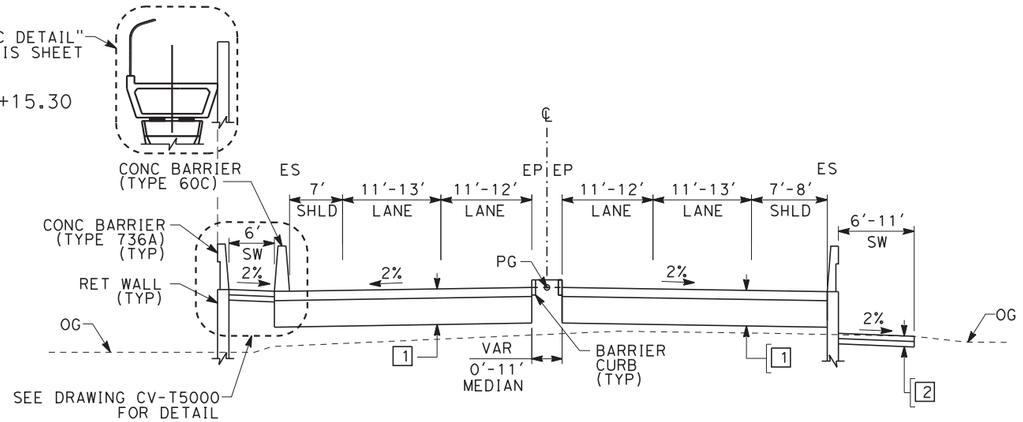
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
GRADE SEPARATION PROFILE
N THORNE AVE

CONTRACT NO.
DRAWING NO. CV-R1002-THN
SCALE AS SHOWN
SHEET NO.

2/15/2012 8:16:17 AM CAHSRP-R1.TBL CHSR_PDF_half_black.plt \\SNA-DATA2\SNA_Project$_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-d

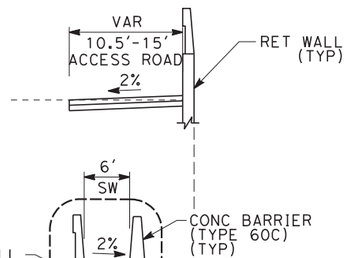
"MCK" 25+95.30 TO 28+15.30




## W MCKINLEY AVE

"MCK" 18+23.08 TO 22+41.57
"MCK" 26+61.32 TO 28+13.80

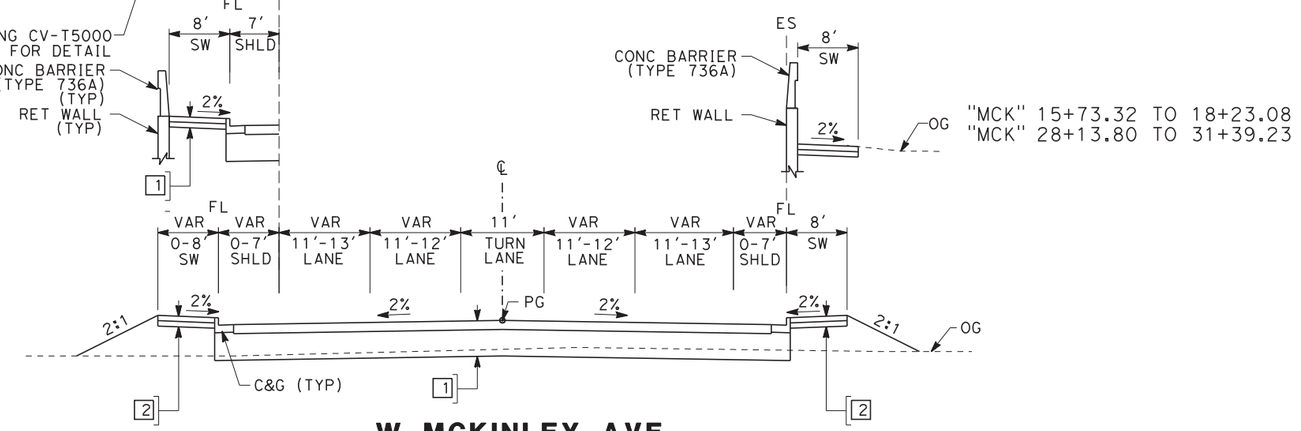
"MCK" 28+13.80 TO 30+70.00




"MCK" 16+75.00 TO 18+23.08

SEE DRAWING CV-T5000 FOR DETAIL

"MCK" 15+73.32 TO 16+75.00




"MCK" 15+73.32 TO 18+23.08
"MCK" 28+13.80 TO 31+39.23

## W MCKINLEY AVE

"MCK" 14+10.00 TO 18+23.08
"MCK" 28+13.80 TO 31+39.23*

NOTES:

1. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
2. PAVEMENT SECTIONS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

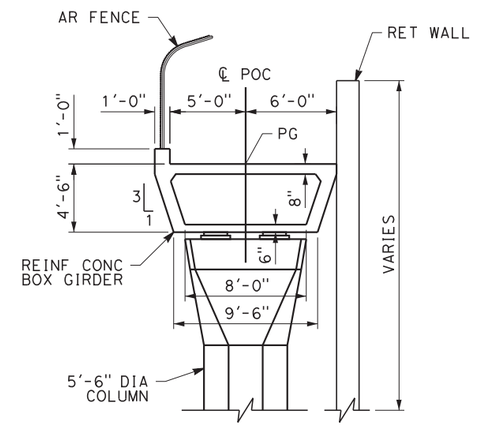
DESIGN SPEED TABLE

| STREET NAME | ALIGNMENT DESIGNATION | DESIGN SPEED (MPH) |
|---|---|---|
| W MCKINLEY AVE | MCK | 30 |
| W OLIVE AVE | OLI | 35 |
| BELMONT AVE | BEL | 30 |
| MCKINLEY AVE CONNECTOR | MCC | 30 |
| N GOLDEN STATE BLVD | GSB | 50 |
| N WEBER AVE | WEB | 40 |
| N H ST | HS | 35 |
| N WESLEY AVE | WSL | <20 |
| N WEST AVE | WES | 30 |
| N CARUTH AVE | CAR | 30 |
| N FARRIS AVE | FAR | 30 |

STRUCTURAL SECTIONS
TYPICAL ROADWAY

1 — 0.50' HMA (TYPE A)
1.50' CL2 AB

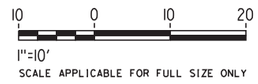
2 — 0.35' PCC
0.35' CL2 AB




## POC DETAIL

NO SCALE

*PROVIDE E.B. RIGHT TURN LANE FROM STA 30+50.00 TO 31+39.23




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY I. JOSIFEK
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE Q. EARLE
DATE 02/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

CONTRACT NO.
DRAWING NO. CV-T3001
SCALE AS SHOWN
SHEET NO.

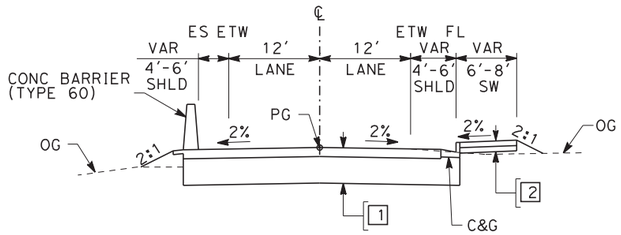
NET53329

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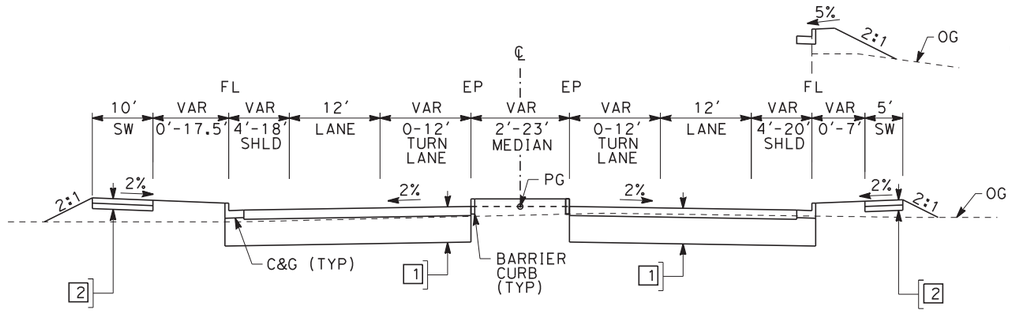
## STRUCTURAL SECTIONS
### TYPICAL ROADWAY

[1] 0.50' HMA (TYPE A)
1.50' CL2 AB

[2] 0.35' PCC
0.35' CL2 AB

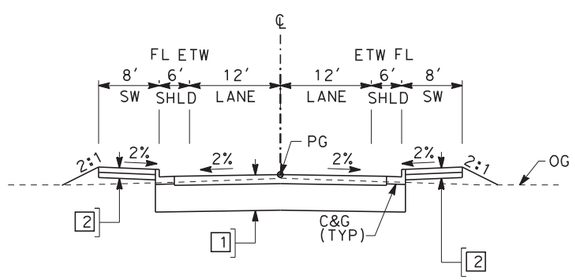



**N GOLDEN STATE BLVD**
"GSB" 125+00.00 TO 167+16.56

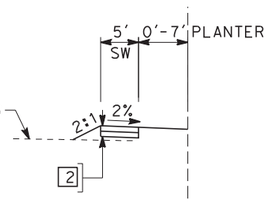



"WES" 16+92.57 TO 20+13.60

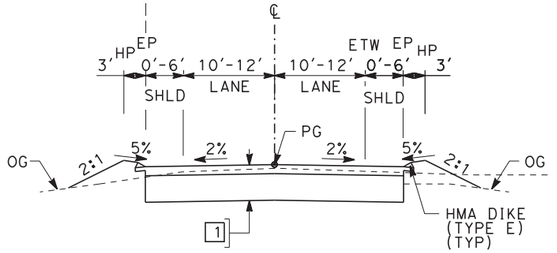
**N WEST AVE**
"WES" 15+00.00 TO 20+13.60



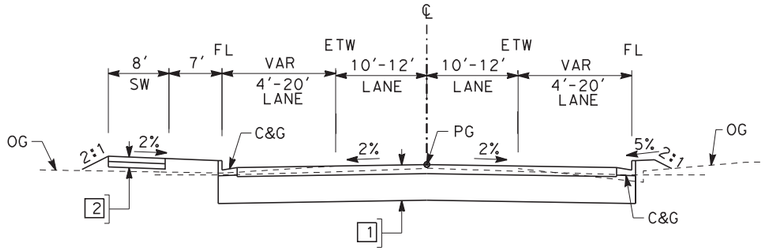

**MCKINLEY AVE CONNECTOR**
"MCC" 9+29.46 TO 15+96.13




"WEB" 13+95.29 TO 17+97.15




**N WEBER AVE**
"WEB" 13+25.00 TO 18+75.00




**N WEBER AVE**
"WEB" 21+07.03 TO 23+50.54

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY I. JOSIFEK
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE Q. EARLE
DATE 02/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

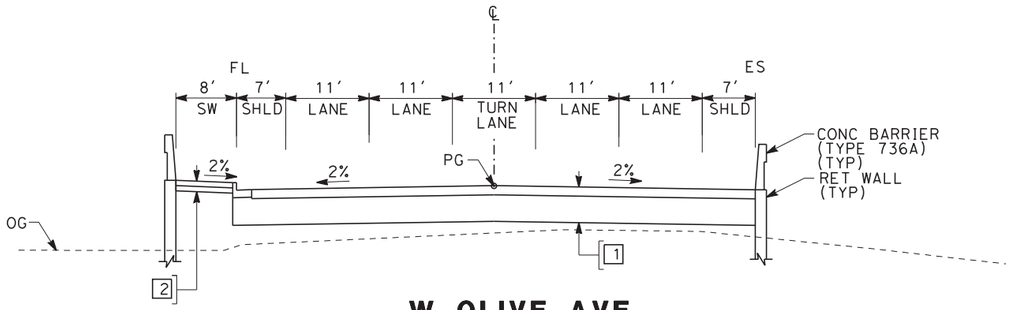
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

CONTRACT NO.
DRAWING NO. CV-T3002
SCALE AS SHOWN
SHEET NO.

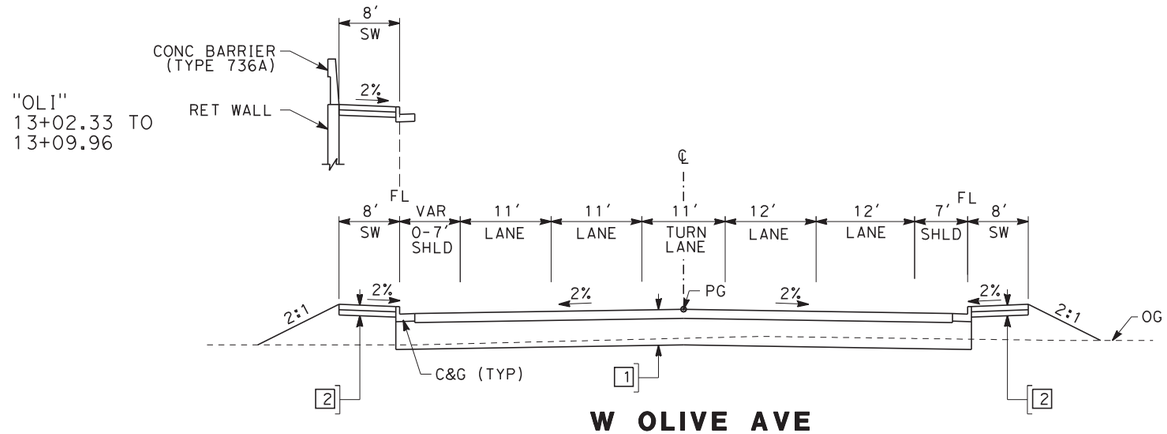
## STRUCTURAL SECTIONS
### TYPICAL ROADWAY

[1] 0.50' HMA (TYPE A)
1.50' CL2 AB

[2] 0.35' PCC
0.35' CL2 AB




**W OLIVE AVE**
"OLI" 13+09.96 TO 14+80.16




**W OLIVE AVE**
"OLI" 11+20.41 TO 13+09.96

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY I. JOSIFEK
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE Q. EARLE
DATE 02/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

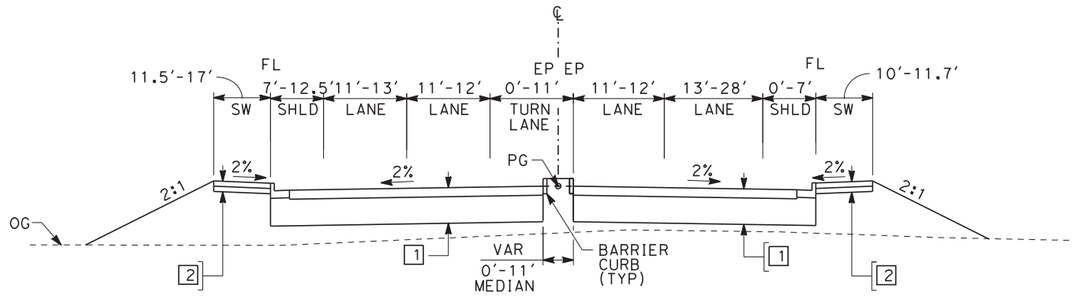
CONTRACT NO.
DRAWING NO. CV-T3003
SCALE AS SHOWN
SHEET NO.


NET53329 2/15/2012 8:16:18 AM CAHSRP-R1.TBL CHSR_PDF_half_black.plt \\SNA-DATA2\SNA_Projects_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-d

## STRUCTURAL SECTIONS
## TYPICAL ROADWAY

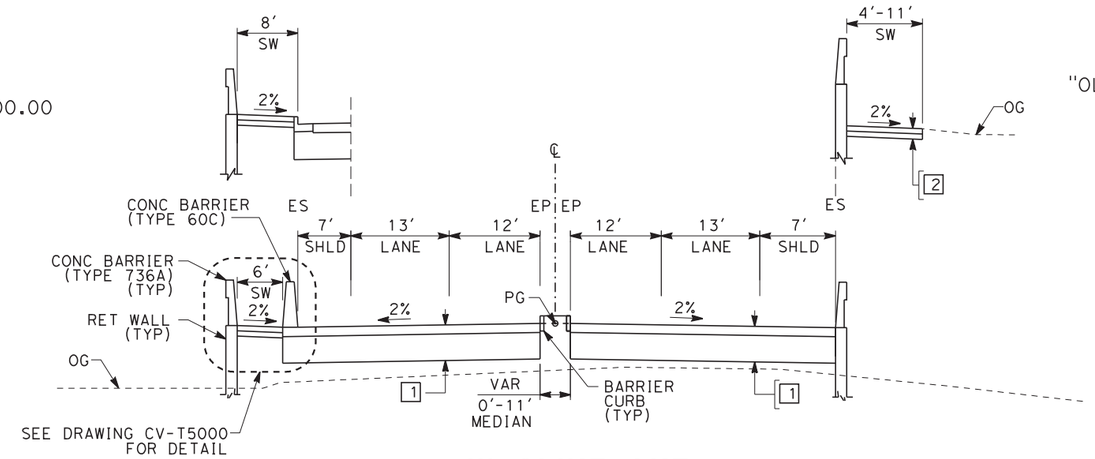
[1] 0.50' HMA (TYPE A)
1.50' CL2 AB

[2] 0.35' PCC
0.35' CL2 AB



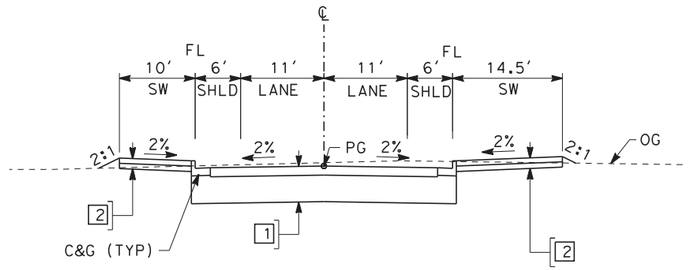

**W OLIVE AVE**
"OLI" 30+15.04 TO 33+34.46

"OLI" 29+30.00 TO 30+00.00




**W OLIVE AVE**
"OLI" 14+80.16 TO 20+98.39
"OLI" 25+25.39 TO 30+15.04

"OLI" 25+10.81 TO 30+15.04




**N CARRUTH AVE**
"CAR" 10+00.00 TO 11+23.92

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY I. JOSIFEK
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE O. EARLE
DATE 02/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

CONTRACT NO.
DRAWING NO. CV-T3004
SCALE AS SHOWN
SHEET NO.


NET53329 2/15/2012 8:16:19 AM CAHSRP-R1.TBL CHSR_PDF_half_black.pl+\\SNA-DATA2\SNA_Project$_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-d

## STRUCTURAL SECTIONS
## TYPICAL ROADWAY

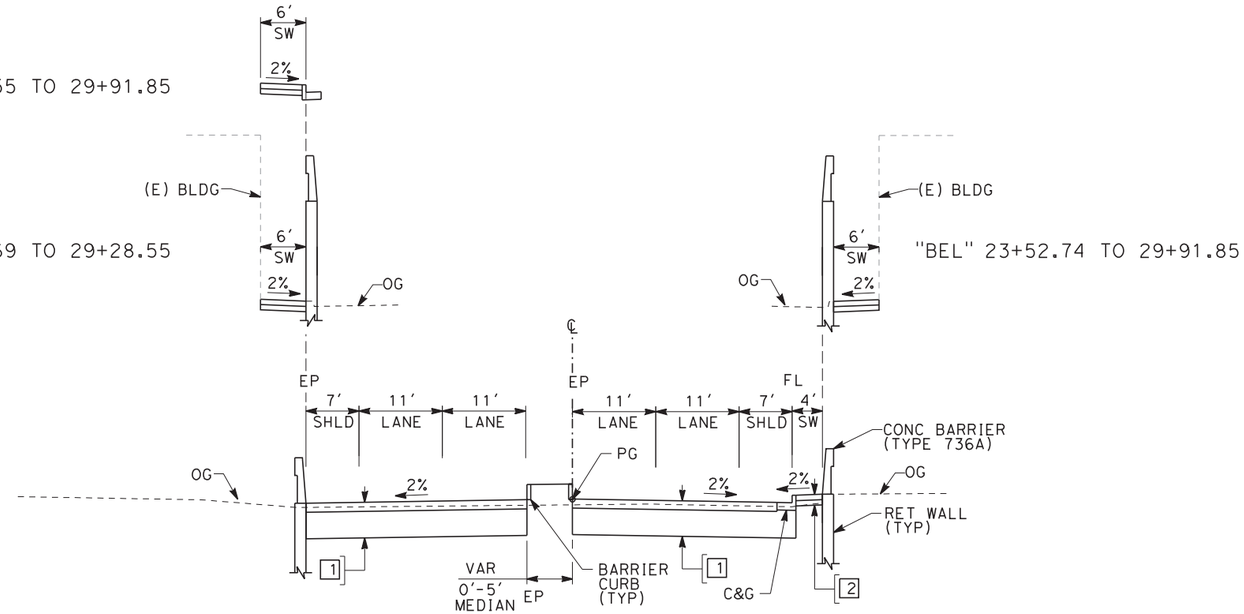
[1] 0.50' HMA (TYPE A)
1.50' CL2 AB

[2] 0.35' PCC
0.35' CL2 AB

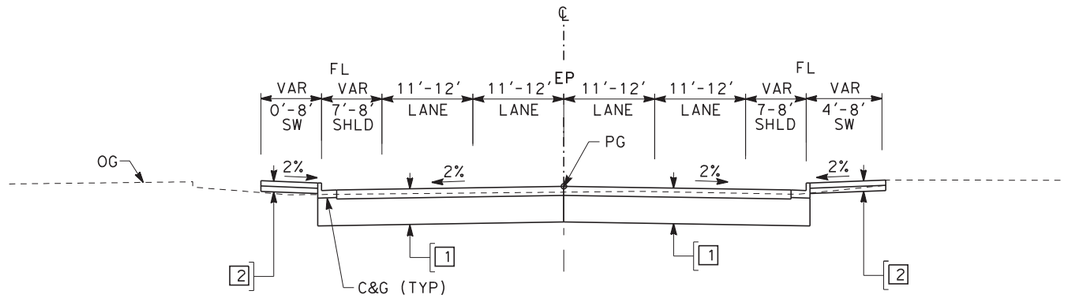
"BEL" 29+28.55 TO 29+91.85

"BEL" 22+97.69 TO 29+28.55

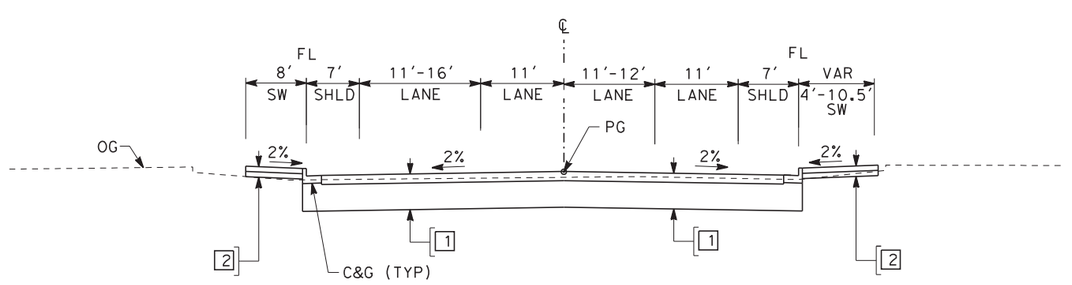
"BEL" 23+52.74 TO 29+91.85




### W BELMONT AVE
"BEL" 12+04.32 TO 16+86.68
"BEL" 23+40.51 TO 29+91.85




### W BELMONT AVE
"BEL" 7+87.34 TO 12+04.32




### W BELMONT AVE
"BEL" 29+91.85 TO 31+88.04

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY I. JOSIFEK
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE O. EARLE
DATE 02/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

CONTRACT NO.
DRAWING NO. CV-T3005
SCALE AS SHOWN
SHEET NO.


NET53329 2/15/2012 8:16:20 AM CAHSRP-R1.TBL CHSR_PDF_half_black.pl+\\SNA-DATA2\SNA_Project$_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-G

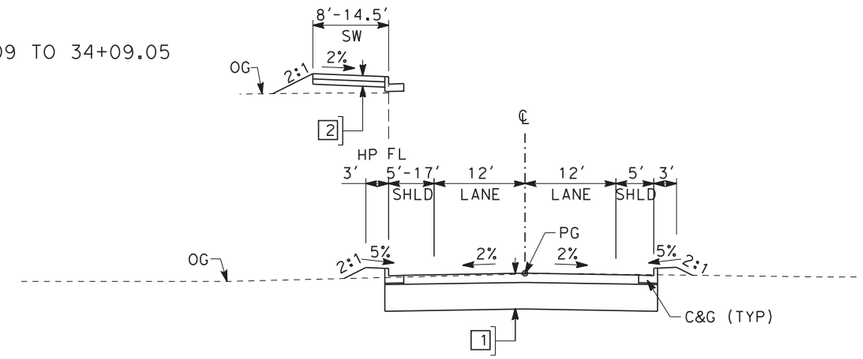
NET53329 2/15/2012 8:16:21 AM CAHSRP-R1.TBL CHSR_PDF_half_black.plt \\SNA-DATA2\SNA_Projects_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-G

## STRUCTURAL SECTIONS
### TYPICAL ROADWAY

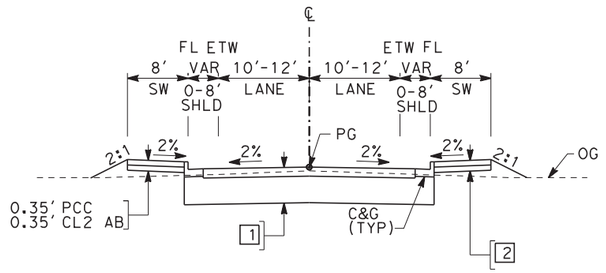
[1] 0.50' HMA (TYPE A)
1.50' CL2 AB

[2] 0.35' PCC
0.35' CL2 AB

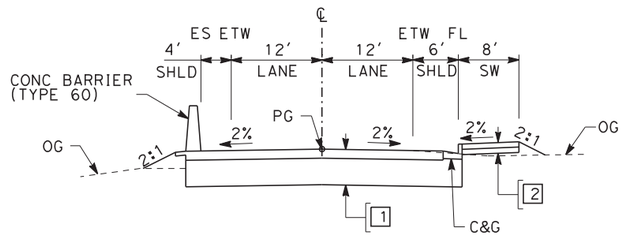
"HS" 27+16.09 TO 34+09.05



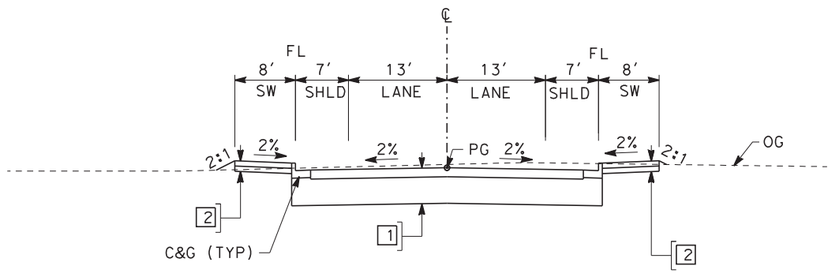

**H ST**
"HS" 21+19.44 TO 34+09.05




**N THORNE AVE**
"THO" 10+00.00 TO 12+23.06




**N WESLEY AVE**
"WSL" 10+00.00 TO 14+69.32




**N FARRIS AVE**
"FAR" 10+00.00 TO 11+60.23

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY I. JOSIFEK
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE Q. EARLE
DATE 02/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
California High-Speed Train

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
ROADWAY / GRADE SEPARATION
TYPICAL SECTIONS

CONTRACT NO.
DRAWING NO. CV-T3006
SCALE AS SHOWN
SHEET NO.

## RETAINING WALL DATA

| NO. | LOCATIONS | | LENGTH | MAX HEIGHT |
|---|---|---|---|---|
| | BEGIN | END | | |
| 1 | 30.48' LT "STN" 16+22.65 | 30.48' LT "STN" 20+01.08 | 379' | 26' |
| 2 | 30.48' RT "STN" 16+91.14 | 30.48' RT "STN" 20+01.08 | 310' | 26' |
| 3 | 30.48' LT "STN" 27+96.08 | 30.48' LT "STN" 30+78.65 | 283' | 19' |
| 4 | 30.48' RT "STN" 27+96.08 | 30.48' RT "STN" 30+77.33 | 281' | 19' |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 1 | N 48°41'35" E | 883.44' |
| 2 | N 48°58'12" E | 1616.56' |
| 3 | N 49°00'00" E | 1269.19' |
| 4 | N 48°53'05" E | 1130.81' |

STANISLAUS ST
TUOLUMNE ST
STATE ROUTE 99
UPRR
CALAVERAS ST
FULTON ST
BROADWAY ST
F ST
G ST
H ST
E ST
"STN" 12+00.00 PI
"STN" 20+83.44 PI
"STN" 37+00.00 PI
POB "TUO" 10+00.00
POE "TUO" 34+91.62
"F1" LINE
HST ROW
"STN" LINE
"TUO" LINE
"STN" 22+21.21 POT = "F1" 264+72.22 POT
"TUO" 19+81.08 POT = "F1" 269+51.65 POT
"STN" 12+71.87 CONFORM
"TUO" 14+43.00 CONFORM
"TUO" 17+57.62 CONFORM
PI "TUO" 22+69.19
"TUO" 25+05.49 CONFORM
"TUO" 28+50.00 CONFORM
"STN" 32+60.00 CONFORM
RET WALL NO. 1
RET WALL NO. 2
RET WALL NO. 3
RET WALL NO. 4
PEDESTRIAN BRIDGE STUDY AREA FINAL LOCATION TO BE DETERMINED IN 30% DESIGN
EXISTING TUOLUMNE ST OVERCROSSING TO BE DEMOLISHED
ACCESS ROAD
INTERLOCKING SITE
R=25'
R=20'
R=500'
R=40'
CONFORM
EP
BB
EB
260+00
270+00
275+00
SCALE: 1"=100'

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY J. NETTLETON
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE Q. EARLE
DATE 03/28/12

**RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
# FRESNO TO BAKERSFIELD
FRESNO SUBSECTION
ALIGNMENT F1
GRADE SEPARATION LAYOUT
STANISLAUS ST AND TUOLUMNE ST

CONTRACT NO. HSR 06-0003
DRAWING NO. CT1011
SCALE AS SHOWN
SHEET NO.

3/28/2012 3:35:18 PM CAHSRP-r1.tbl CHSR_PDF_half_black.plt G:_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\M-15% RBNSF Fresno\Sheet Files\Civil\CT1011.dgn
or152801

## CURVE DATA

| NO. | R | Δ | T | L | V |
|---|---|---|---|---|---|
| (1) | 5000.00′ | 02°34′01" | 112.01′ | 224.01′ | 30 MPH |
| (2) | 2000.00′ | 05°55′10" | 103.41′ | 206.63′ | 30 MPH |
| (3) | 3000.00′ | 03°23′12" | 88.69′ | 177.33′ | 30 MPH |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 1 | N 49°02′28" E | 550.72′ |
| 2 | N 51°36′29" E | 312.56′ |
| 3 | N 45°41′19" E | 197.08′ |
| 4 | N 49°04′31" E | 587.07′ |
| 5 | S 40°58′08" E | 800.00′ |
| 6 | S 41°00′03" E | 1188.39′ |

## RETAINING WALL DATA

| NO. | LOCATIONS BEGIN | LOCATIONS END | LENGTH | MAX HEIGHT |
|---|---|---|---|---|
| 1 | 38.00′ LT "FFS" 9+60.21 | 55.63′ LT "FFS" 15+29.91 | 590′ | 24′ |
| 2 | 44.00′ RT "FFS" 9+58.64 | 51.12′ RT "FFS" 15+35.07 | 588′ | 24′ |
| 3 | 62.40′ LT "FFS" 16+90.34 | 38.00′ RT "FHF" 2+58.88 | 562′ | 24′ |
| 4 | 55.65′ RT "FFS" 16+91.82 | 38.00′ RT "FHF" 10+00.00 | 584′ | 24′ |
| 5 | 38.00′ LT "FHF" 2+71.24 | 44.00′ LT "FFS" 23+18.61 | 565′ | 10′ |
| 6 | 38.00′ LT "FHF" 10+00.00 | 44.00′ RT "FFS" 23+21.97 | 627′ | 10′ |

MERCED ST
FRESNO ST
MARIPOSA ST
SR 99
E ST
F ST
G ST
H ST
UPRR
BROADWAY ST
HST ROW
"F1" LINE
"FFS" LINE
"FGF" 30+00.00 PI
"FGF" 30+38.00 CONFORM
"FGF" 37+00.00 CONFORM
"FGF" LINE
"FGF" 38+00.00 PI
"FFS" 5+00.00 PI
"FFS" 9+00.00 CONFORM
"FFS" 10+50.72 BC
"FFS" 12+74.73 EC
"FFS" 13+00.05 POT = "FGF" 33+50.00 POT
"FFS" 14+82.55 POT = "F1" 279+34.87 POT
"FFS" 15+87.28 BC
"FFS" 17+93.91 EC
"FFS" 19+79.85 POC = "FHF" 6+10.09 POT
"FFS" 19+91.00 BC
"FFS" 21+68.32 EC
"FFS" 23+48.61 CONFORM
"FFS" 27+55.39 PI
"FHF" 0+00.00 PI
"FHF" 0+50.00 CONFORM
"FHF" LINE
"FHF" 10+50.00 CONFORM
"FHF" 11+88.39 PI
RET WALL NO. 1
RET WALL NO. 2
RET WALL NO. 3
RET WALL NO. 4
RET WALL NO. 5
RET WALL NO. 6
REMOVE BASE AND SURFACING (TYP)
CONC SW
CONFORM
R=30′
R=35′
R=25′
R=174′
BB
EP
EB
61′
60′
66′
72′
99′
275+00
280+00
285+00

100 0 100 200
SCALE: 1"=100′

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY K. MING
DRAWN BY E. SUDHAUSEN
CHECKED BY M. BAMM
IN CHARGE R. COFFIN
DATE 02/15/12

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
# FRESNO TO BAKERSFIELD
FRESNO SUBSECTION
ALIGNMENT F1
GRADE SEPARATION LAYOUT
FRESNO ST

CONTRACT NO. HSR 06-0003
DRAWING NO. CT1013
SCALE AS SHOWN
SHEET NO. 3 OF 28

eron.sudhausen 2/13/2012 8:26:03 PM \\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Highway\F1\FB-CT-1013-F1.dgn

## CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| ① | 6000.00′ | 01°01′24" | 53.58′ | 107.16′ |
| ② | 6000.00′ | 01°34′36" | 82.56′ | 165.12′ |
| ③ | 6000.00′ | 01°20′47" | 70.49′ | 140.98′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 1 | N 49°56′15" E | 228.35′ |
| 2 | N 48°54′51" E | 1720.30′ |
| 3 | N 48°41′02" E | 60.34′ |

MARIPOSA ST
SR 99
E ST
F ST
G ST
UPRR
H ST
BROADWAY ST
VAN NESS AVE
FULTON MALL
KERN ST
INYO ST
TULARE ST
285+00
290+00
295+00
CONFORM
"FTU" 13+30.19
48.95′ LT
CONFORM
CITY OF FRESNO
STD CUL-DE-SAC
(R=40′)
"FTU" 6+28.35 BC
"FTU" 12+70.34
46.99′ LT
CONFORM
CRASH CUSHION
(SYSTEM TBD)
F ST TO
BE CLOSED
AT TULARE ST
R=50′
REMOVE BASE
"FTU" 5+00.00
54.86′ LT
CONFORM
RET WALL
NO. 1
50′
46′
BB
9′
CONC
SW
"FTU" 5+00.00
CONFORM
"FTU" 4+00.00 PI
EP
9′ CONC SW
RET WALL
NO. 2
R=50′
R=25′
"FTU" 5+00.00
45.01′ RT
CONFORM
"FTU" 12+69.31
32.92′ RT
CONFORM
CONFORM
"FTU" 13+29.87
30.93′ RT
CONFORM
"FTU" 7+35.51 EC
CITY OF FRESNO
STD CUL-DE-SAC
(R=40′)
HST
ROW
"F1" LINE
STREET
BARRICADE
(TYP)
KERN ST TO BE CLOSED
(SEE STATION PLAN)
INTERLOCKING SITE
"FTU" 20+18.21
41.38′ LT
CONFORM
"FTU" 19+50.05
49.46′ LT
CONFORM
"FTU" 14+85.85 POT=
"F1" 288+99.72 POT
"FTU" LINE
9′ CONC
SW
CRASH CUSHION
(SYSTEM TBD)
R=25′
R=10′
EB
15′
8′ CONC SW
30′ DWY
RET WALL
NO. 3
EP
20′ DWY
R=500′
"FTU" 27+41.27
CONFORM
"FTU" 28+22.24 PI
8′
40′
R=50′
RET WALL
NO. 4
"FTU" 20+00.58
58.23′ RT
CONFORM
15′
DWY
R=50′
"FTU" 27+61.91 EC
"FTU" 19+49.92
48.68′ RT
CONFORM
"FTU" 26+20.93 PRC
"FTU" 24+55.81 BC
100 0 100 200
SCALE: 1"=100′

## RETAINING WALL DATA

| NO. | LOCATIONS BEGIN | LOCATIONS END | LENGTH | MAX HEIGHT |
|---|---|---|---|---|
| 1 | 31.00′ LT "FTU" 5+60.68 | 20.00′ LT "FTU" 12+55.00 | 689′ | 28′ |
| 2 | 28.00′ RT "FTU" 5+41.19 | 28.00′ RT "FTU" 12+55.00 | 713′ | 28′ |
| 3 | 20.00′ LT "FTU" 20+35.00 | 20.00′ LT "FTU" 25+23.01 | 488′ | 27′ |
| 4 | 28.00′ RT "FTU" 20+35.00 | 32.84′ RT "FTU" 25+39.66 | 506′ | 27′ |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY K. MING
DRAWN BY E. SUDHAUSEN
CHECKED BY M. BAMM
IN CHARGE R. COFFIN
DATE 02/15/12

**RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

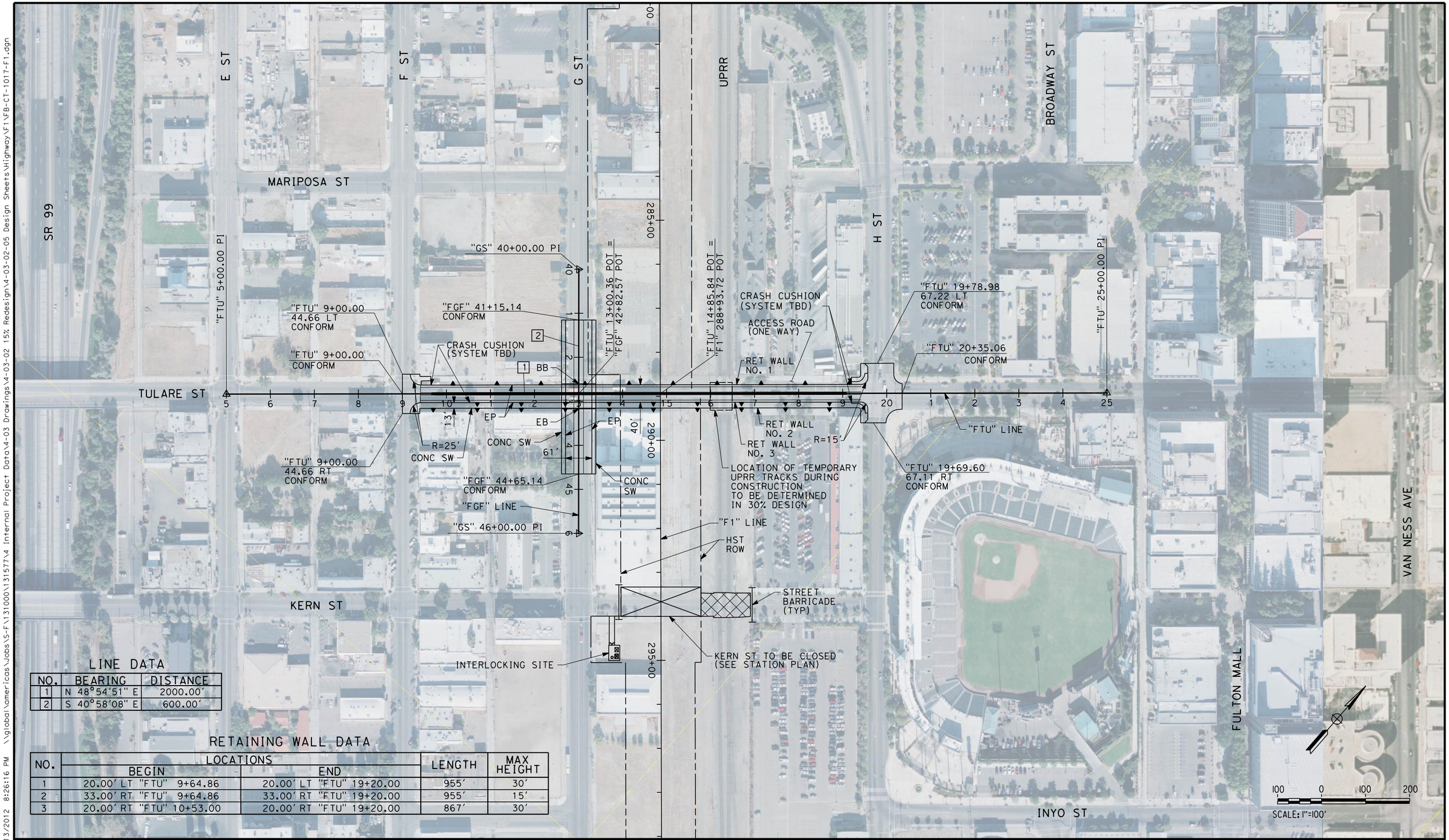
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
# FRESNO TO BAKERSFIELD

FRESNO SUBSECTION
ALIGNMENT F1
GRADE SEPARATION LAYOUT
TULARE ST (OVERHEAD)

CONTRACT NO. HSR 06-0003
DRAWING NO. CT1016
SCALE AS SHOWN
SHEET NO. 4 OF 28

eron.sudhausen 2/13/2012 8:26:09 PM \\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Highway\F1\FB-CT-1016-F1.dgn




## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 1 | N 48°54'51" E | 2000.00' |
| 2 | S 40°58'08" E | 600.00' |

## RETAINING WALL DATA

| NO. | LOCATIONS | | LENGTH | MAX HEIGHT |
|---|---|---|---|---|
| | BEGIN | END | | |
| 1 | 20.00' LT "FTU" 9+64.86 | 20.00' LT "FTU" 19+20.00 | 955' | 30' |
| 2 | 33.00' RT "FTU" 9+64.86 | 33.00' RT "FTU" 19+20.00 | 955' | 15' |
| 3 | 20.00' RT "FTU" 10+53.00 | 20.00' RT "FTU" 19+20.00 | 867' | 30' |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY K. MING
DRAWN BY E. SUDHAUSEN
CHECKED BY M. BAMM
IN CHARGE R. COFFIN
DATE 02/15/12

**RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
# FRESNO TO BAKERSFIELD

FRESNO SUBSECTION
ALIGNMENT F1
GRADE SEPARATION LAYOUT
TULARE ST (UNDERPASS)

CONTRACT NO. HSR 06-0003
DRAWING NO. CT1017
SCALE AS SHOWN
SHEET NO. 5 OF 28

\\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Highway\F1\FB-CT-1017-F1.dgn
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eron.sudhausen

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CAHSRP-r1.tbl CHSR_PDF_half_block.plt\\SNA-DATA2\SNA_Project$_Sacramento
2/13/2012 1:52:03 PM
NET53329

## CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| 1 | 10000.00′ | 01°07′09" | 97.66′ | 195.30′ |
| 2 | 10000.00′ | 01°07′47" | 98.59′ | 197.16′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 1 | N 48°50′38" E | 758.70′ |
| 2 | N 49°10′54" E | 636.86 |
| 3 | N 50°18′02" E | 182.62′ |
| 4 | N 49°10′15" E | 529.36′ |

INYO ST
"F1" LINE
HST ROW
300+00
G ST
MONO ST TO BE CLOSED (SEE STATION PLAN)
MONO ST
TRACTION POWER FACILITY (NORTH OPTION)
ACCESS ROAD
INTERLOCKING SITE
E ST
F ST
UPRR
H ST
305+00
"VEN" 5+00.00 PI
"VEN" 12+58.70 PI
"VEN" 18+95.56 BC
"VEN" 20+90.86 EC
"VEN" 22+73.48 BC
"VEN" 24+70.64 EC
"VEN" 30+00.00 PI
BROADWAY ST
FULTON ST
CONFORM
R=20′
CONC SW
EP
R=30′
51′
RET WALL NO. 1
PEDESTRIAN BRIDGE STUDY AREA FINAL LOCATION TO BE DETERMINED IN 30% DESIGN
EB
RET WALL NO. 3
61′
R=20′
"VEN" 25+50.00
VENTURA ST
"VEN" 7+00.00
CONFORM
62′
R=20′
61′
RET WALL NO. 2
69′
"VEN" LINE
"VEN" 14+90.50 POT = CONC SW
"F1" 308+14.05 POT
RET WALL NO. 4
R=30′
R=35′
58′
R=25′
BB
310+00
315+00
TRACTION POWER FACILITY (SOUTH OPTION)
SANTA CLARA ST
SANTA CLARA ST

## RETAINING WALL DATA

| NO. | LOCATIONS BEGIN | LOCATIONS END | LENGTH | MAX HEIGHT |
|---|---|---|---|---|
| 1 | 30.00′ LT "VEN" 9+45.96 | 34.50′ LT "VEN" 12+55.00 | 309′ | 21′ |
| 2 | 31.00′ RT "VEN" 9+45.96 | 34.50′ RT "VEN" 12+55.00 | 309′ | 21′ |
| 3 | 38.00′ LT "VEN" 20+55.00 | 38.00′ LT "VEN" 23+23.73 | 269′ | 20′ |
| 4 | 40.70′ RT "VEN" 20+55.00 | 37.50′ RT "VEN" 23+23.73 | 269′ | 20′ |

100 0 100 200
SCALE: 1"=100′

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY J. NETTLETON
DRAWN BY V. ORTEGA
CHECKED BY M. BAMM
IN CHARGE Q. EARLE
DATE 02/15/12

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## FRESNO TO BAKERSFIELD
FRESNO SUBSECTION
ALIGNMENT F1
GRADE SEPARATION LAYOUT
VENTURA ST

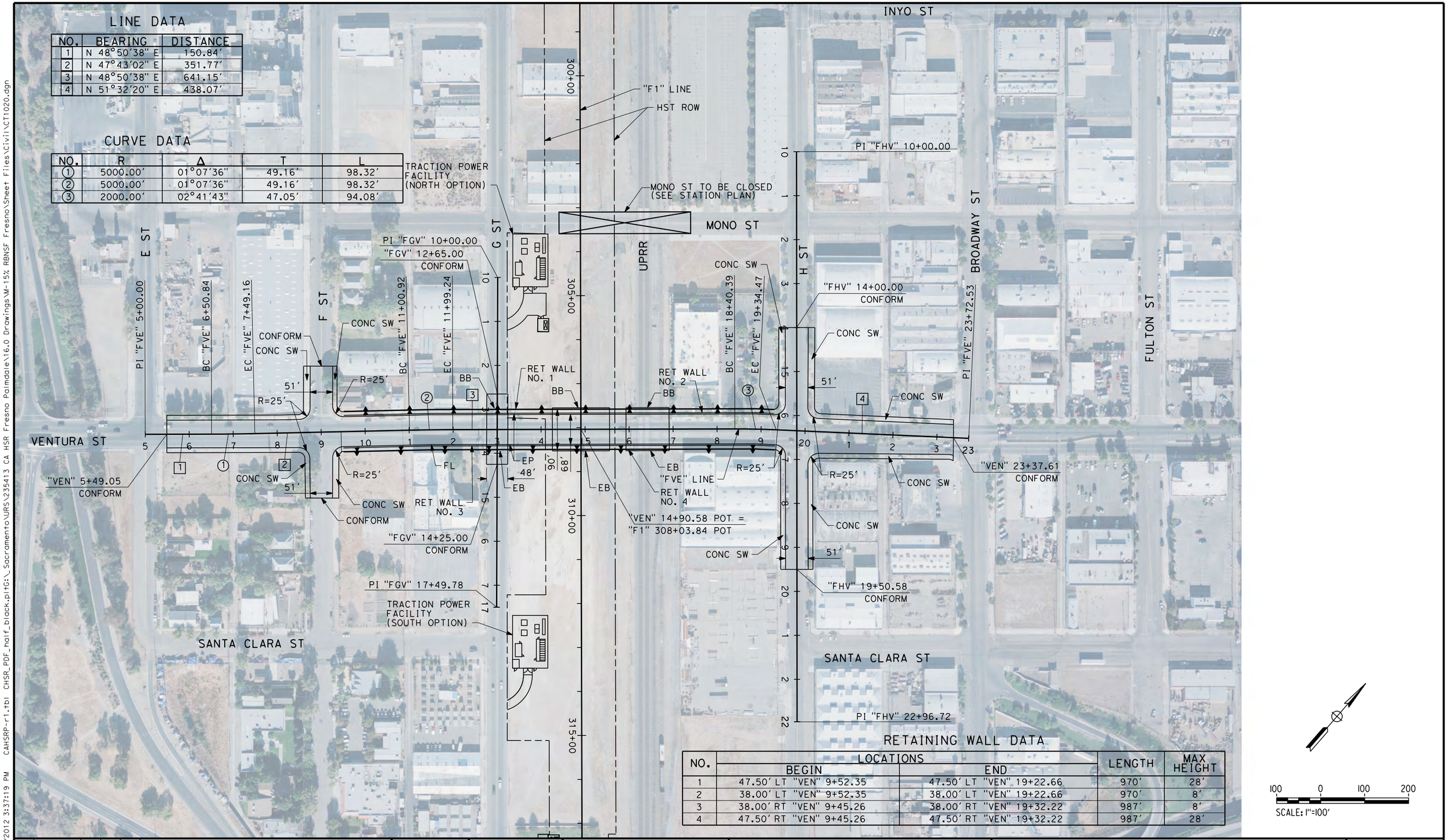
CONTRACT NO. HSR 06-0003
DRAWING NO. CT1019
SCALE AS SHOWN
SHEET NO. 6 OF 28

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 1 | N 48°50'38" E | 150.84' |
| 2 | N 47°43'02" E | 351.77' |
| 3 | N 48°50'38" E | 641.15' |
| 4 | N 51°32'20" E | 438.07' |

## CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| ① | 5000.00' | 01°07'36" | 49.16' | 98.32' |
| ② | 5000.00' | 01°07'36" | 49.16' | 98.32' |
| ③ | 2000.00' | 02°41'43" | 47.05' | 94.08' |




## RETAINING WALL DATA

| NO. | LOCATIONS | | LENGTH | MAX HEIGHT |
|---|---|---|---|---|
| | BEGIN | END | | |
| 1 | 47.50' LT "VEN" 9+52.35 | 47.50' LT "VEN" 19+22.66 | 970' | 28' |
| 2 | 38.00' LT "VEN" 9+52.35 | 38.00' LT "VEN" 19+22.66 | 970' | 8' |
| 3 | 38.00' RT "VEN" 9+45.26 | 38.00' RT "VEN" 19+32.22 | 987' | 8' |
| 4 | 47.50' RT "VEN" 9+45.26 | 47.50' RT "VEN" 19+32.22 | 987' | 28' |

100 0 100 200
SCALE: 1"=100'

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY J. NETTLETON
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE Q. EARLE
DATE 03/28/12

**RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

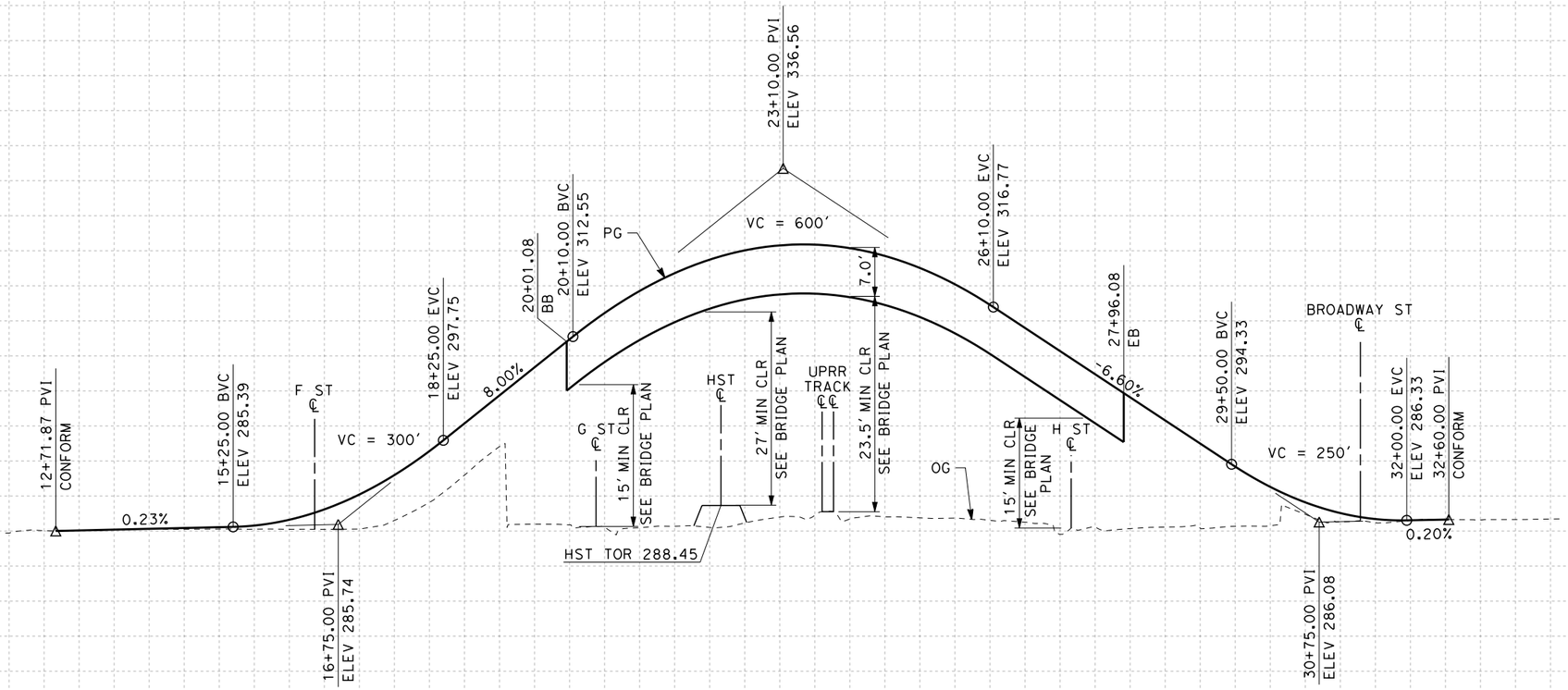
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
# FRESNO TO BAKERSFIELD
FRESNO SUBSECTION
ALIGNMENT F1
GRADE SEPARATION LAYOUT
VENTURA ST

CONTRACT NO. HSR 06-0003
DRAWING NO. CT1020
SCALE AS SHOWN
SHEET NO.

ort52801 3/28/2012 3:37:19 PM CAHSRP-r1.+tbl CHSR_PDF_half_black.plt G:_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\M-15% RBNSF Fresno\Sheet Files\Civil\CT1020.dgn

NOTES:

1. MINIMUM VERTICAL CLEARANCE OVER HST IS 27' FROM TOP OF RAIL.
2. MINIMUM VERTICAL CLEARANCE OVER UPRR IS 23.5' FROM TOP OF RAIL.
3. MINIMUM VERTICAL CLEARANCE OVER LOCAL STREET IS 15' FROM ROAD SURFACE.
4. VERTICAL DESIGN SPEED = 30 MPH




## PROFILE

"STN" LINE

SCALE: HORIZ 1"=100'
VERT 1"=10'

| STATION | 10 | 1 | 2 | 3 | 4 | 15 | 6 | 7 | 8 | 9 | 20 | 1 | 2 | 3 | 4 | 25 | 6 | 7 | 8 | 9 | 30 | 1 | 2 | 3 | 4 | 35 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CY Emb | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY J. NETTLETON
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE O. EARLE
DATE 03/28/12

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
California High-Speed Train

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

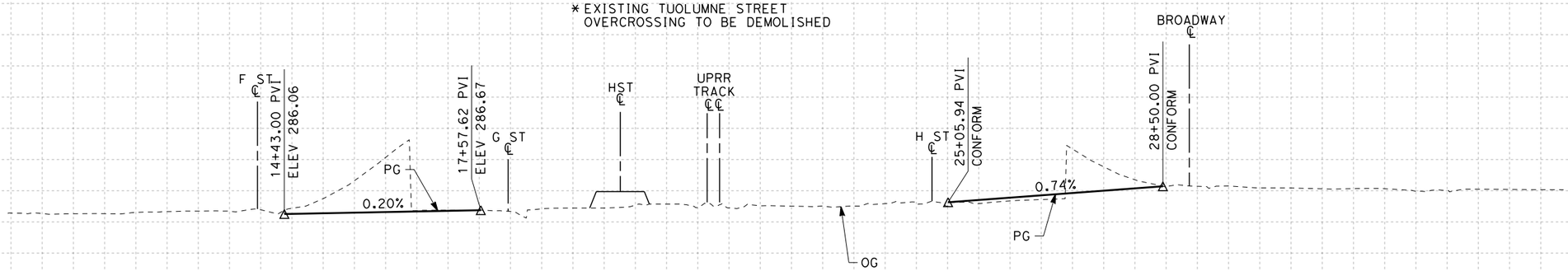
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
GRADE SEPARATION PROFILE
STANISLAUS ST

CONTRACT NO. HSR 06-0003
DRAWING NO. CT2011
SCALE AS SHOWN
SHEET NO.


3/28/2012 3:38:35 PM CAHSRP-r1.tbl CHSR_PDF_half_black.plt G:_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\M-15% RBNSF Fresno\Sheet Files\Civil\CT2011.dgn
or+52801

NOTES:

1. VERTICAL DESIGN SPEED = 30 MPH




**PROFILE**

"TUO" LINE

SCALE: HORIZ 1"=100'
VERT 1"=10'

| STATION | 10 | 1 | 2 | 3 | 4 | 15 | 6 | 7 | 8 | 9 | 20 | 1 | 2 | 3 | 4 | 25 | 6 | 7 | 8 | 9 | 30 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | | | | | | | | | | | | | | | | | | | | | | |
| CY Emb | | | | | | | | | | | | | | | | | | | | | | |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY J. NETTLETON
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE O. EARLE
DATE 03/28/12

**RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

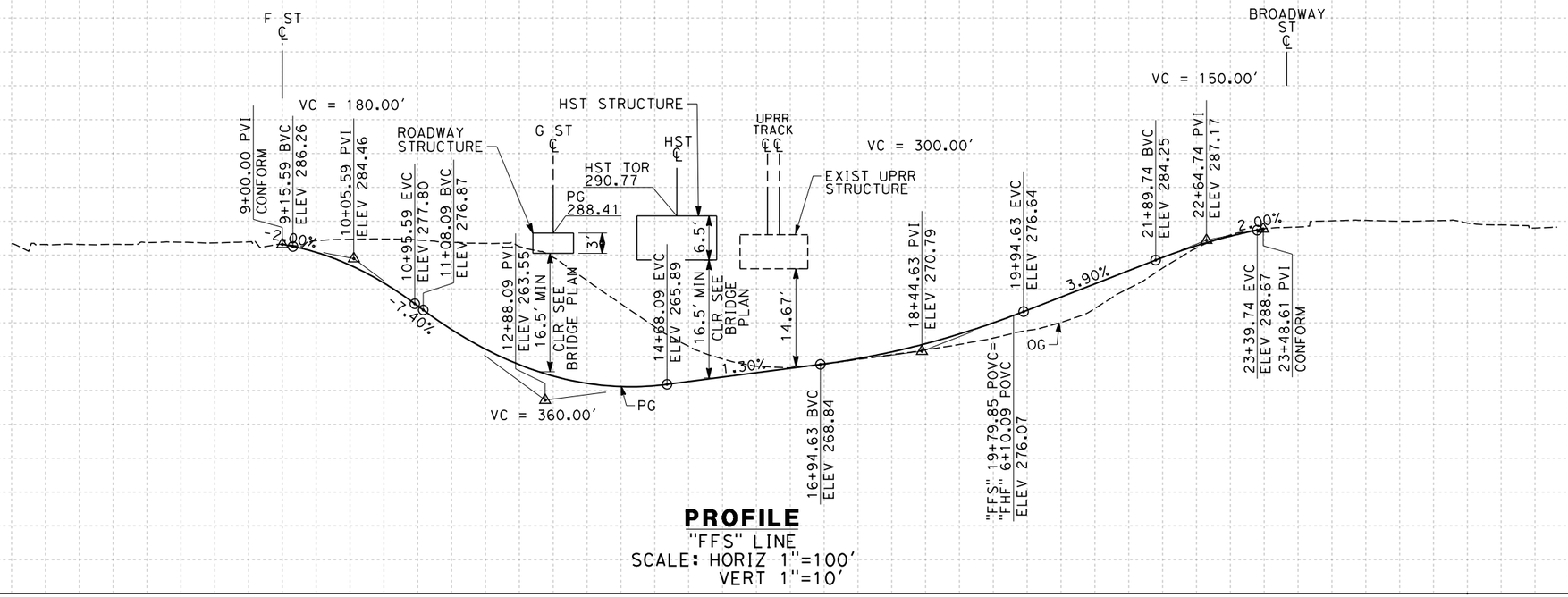
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
GRADE SEPARATION PROFILE
TUOLUMNE ST

CONTRACT NO. HSR 06-0003
DRAWING NO. CT2012
SCALE AS SHOWN
SHEET NO.

or152801 3/28/2012 3:39:18 PM CAHSRP-r1.tbl CHSR_PDF_half_black.plt G:_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\M-15% RBNSF Fresno\Sheet Files\Civil\CT2012.dgn

NOTES:
1. VERTICAL CLEARANCE FOR FRESNO STREET UNDERPASS TO MATCH EXISTING CONDITION
2. VERTICAL DESIGN SPEED = 30 MPH
3. OG IS BASED UPON APPROXIMATED INTERMAP DTM




**PROFILE**
"FFS" LINE
SCALE: HORIZ 1"=100'
VERT 1"=10'

| STATION | 5 | 6 | 7 | 8 | 9 | 10 | 1 | 2 | 3 | 4 | 15 | 6 | 7 | 8 | 9 | 20 | 1 | 2 | 3 | 4 | 25 | 6 | 7 | 8 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | | | | | | | | | | | | | | | | | | | | | | | | | |
| CY Emb | | | | | | | | | | | | | | | | | | | | | | | | | |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: K. MING
DRAWN BY: E. SUDHAUSEN
CHECKED BY: M. BAMM
IN CHARGE: R. COFFIN
DATE: 02/15/12

**RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

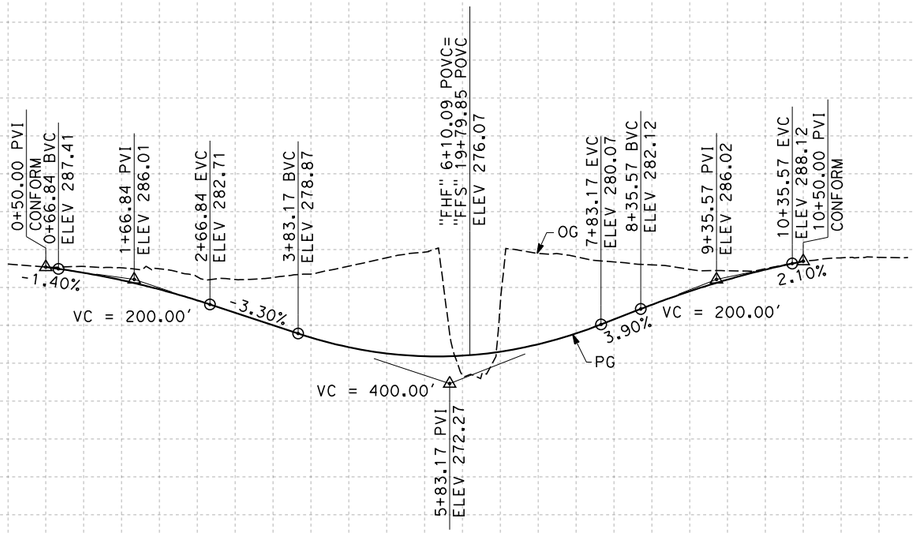
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
GRADE SEPARATION PROFILE
FRESNO ST

CONTRACT NO. HSR 06-0003
DRAWING NO. CT2013
SCALE AS SHOWN
SHEET NO. 12 OF 28

\\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Highway\F1\FB-CT-2013-F1.dgn
2/13/2012 8:26:36 PM
eron.sudhausen

NOTES:

1. VERTICAL DESIGN SPEED = 30 MPH
2. OG IS BASED UPON APPROXIMATED INTERMAP DTM
3. REFER TO SHEET CT1013 FOR LAYOUT




## PROFILE

"FHF" LINE
SCALE: HORIZ 1"=100'
VERT 1"=10'

| STATION | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 1 | 2 | 3 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | | | | | | | | | | | | | | | |
| | Emb | | | | | | | | | | | | | | | |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY K. MING
DRAWN BY E. SUDHAUSEN
CHECKED BY M. BAMM
IN CHARGE R. COFFIN
DATE 02/15/12

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

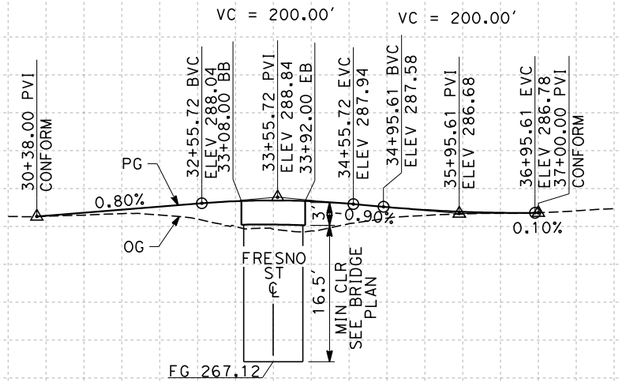
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
GRADE SEPARATION PROFILE
H ST (FRESNO ST)

CONTRACT NO. HSR 06-0003
DRAWING NO. CT2014
SCALE AS SHOWN
SHEET NO. 13 OF 28

\\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Highway\F1\FB-CT-2014-F1.dgn
2/13/2012 8:26:37 PM
eron.sudhausen

NOTES:

1. MINIMUM VERTICAL CLEARANCE OVER LOCAL STREET IS 16.5' FROM ROAD SURFACE
2. VERTICAL DESIGN SPEED = 40 MPH
3. OG IS BASED UPON APPROXIMATED INTERMAP DTM
4. REFER TO SHEET CT1013 FOR LAYOUT




## PROFILE

"FGF" LINE
SCALE: HORIZ 1"=100'
VERT 1"=10'

| STATION | | 30 | 1 | 2 | 3 | 4 | 35 | 6 | 7 | 8 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | | | | | | | | | | |
| | Emb | | | | | | | | | | |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY K. MING
DRAWN BY E. SUDHAUSEN
CHECKED BY M. BAMM
IN CHARGE R. COFFIN
DATE 02/15/12

**RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

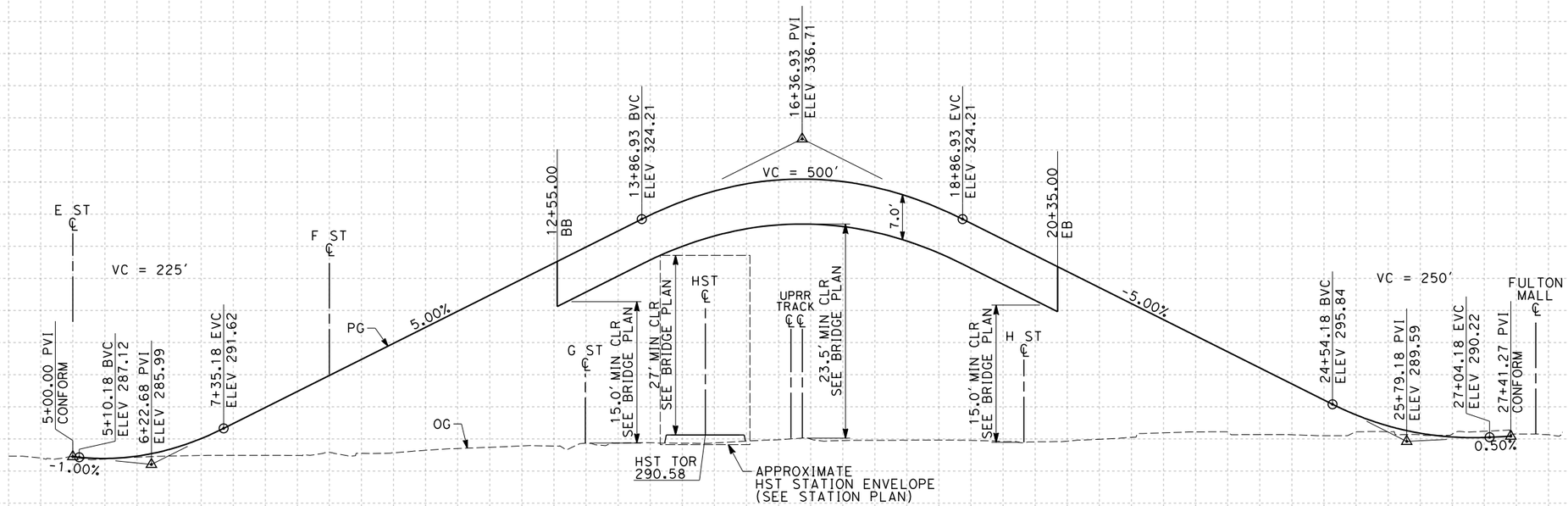
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
GRADE SEPARATION PROFILE
G ST (FRESNO ST)

CONTRACT NO. HSR 06-0003
DRAWING NO. CT2015
SCALE AS SHOWN
SHEET NO. 14 OF 28

eron.sudhausen 2/13/2012 8:26:38 PM \\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Highway\F1\FB-CT-2015-F1.dgn

NOTES:

1. MINIMUM VERTICAL CLEARANCE OVER HST IS 27' FROM TOP OF RAIL
2. MINIMUM VERTICAL CLEARANCE OVER UPRR IS 23.5' FROM TOP OF RAIL
3. MINIMUM VERTICAL CLEARANCE OVER LOCAL STREET IS 15' FROM ROAD SURFACE
4. VERTICAL DESIGN SPEED = 30 MPH
5. OG IS BASED UPON APPROXIMATED INTERMAP DTM




## PROFILE

"FTU" LINE
SCALE: HORIZ 1"=100'
VERT 1"=10'

| STATION | 5 | 6 | 7 | 8 | 9 | 10 | 1 | 2 | 3 | 4 | 15 | 6 | 7 | 8 | 9 | 20 | 1 | 2 | 3 | 4 | 25 | 6 | 7 | 8 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | | | | | | | | | | | | | | | | | | | | | | | | | |
| CY Emb | | | | | | | | | | | | | | | | | | | | | | | | | |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY K. MING
DRAWN BY E. SUDHAUSEN
CHECKED BY M. BAMM
IN CHARGE R. COFFIN
DATE 02/15/12

**RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

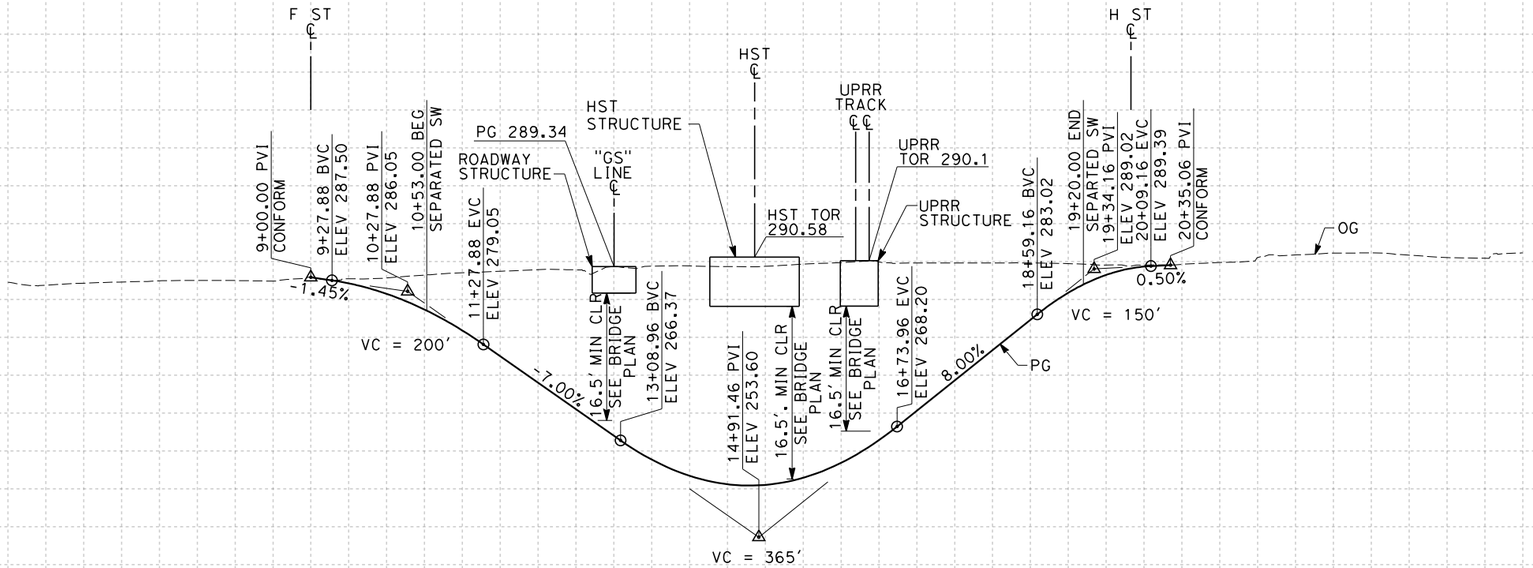
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
GRADE SEPARATION PROFILE
TULARE ST (OVERHEAD)

CONTRACT NO. HSR 06-0003
DRAWING NO. CT2016
SCALE AS SHOWN
SHEET NO. 15 OF 28

\\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Highway\F1\FB-CT-2016-F1.dgn 2/13/2012 8:26:40 PM eron.sudhausen

NOTES:
1. MINIMUM VERTICAL CLEARANCE UNDER STRUCTURE IS 16.5' FROM ROAD SURFACE
2. VERTICAL DESIGN SPEED = 25 MPH
3. OG IS BASED UPON APPROXIMATED INTERMAP DTM




## PROFILE
"FTU" LINE
SCALE: HORIZ 1"=100'
VERT 1"=10'

| STATION | 5 | 6 | 7 | 8 | 9 | 10 | 1 | 2 | 3 | 4 | 15 | 6 | 7 | 8 | 9 | 20 | 1 | 2 | 3 | 4 | 25 | 6 | 7 | 8 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY Exc | | | | | | | | | | | | | | | | | | | | | | | | | |
| CY Emb | | | | | | | | | | | | | | | | | | | | | | | | | |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY K. MING
DRAWN BY E. SUDHAUSEN
CHECKED BY M. BAMM
IN CHARGE R. COFFIN
DATE 02/15/12

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

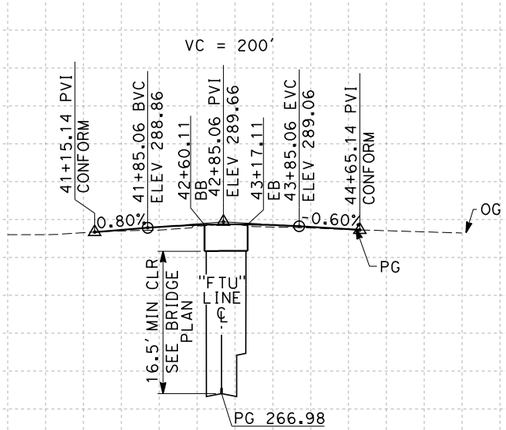
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
GRADE SEPARATION PROFILE
TULARE ST (UNDERPASS)

CONTRACT NO. HSR 06-0003
DRAWING NO. CT2017
SCALE AS SHOWN
SHEET NO. 16 OF 28

\\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Highway\F1\FB-CT-2017-F1.dgn
2/13/2012 8:26:40 PM
eron.sudhausen

NOTES:

1. MINIMUM VERTICAL CLEARANCE OVER LOCAL STREET IS 16.5' FROM ROAD SURFACE
2. VERTICAL DESIGN SPEED = 40 MPH
3. OG IS BASED UPON APPROXIMATED INTERMAP DTM
4. REFER TO SHEET CT1017 FOR LAYOUT




## PROFILE

"FGF" LINE
SCALE: HORIZ 1"=100'
VERT 1"=10'

| STATION | 40 | 1 | 2 | 3 | 4 | 45 | 6 | 7 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|
| CY Exc | | | | | | | | | |
| CY Emb | | | | | | | | | |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY K. MING
DRAWN BY E. SUDHAUSEN
CHECKED BY M. BAMM
IN CHARGE R. COFFIN
DATE 02/15/12

RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

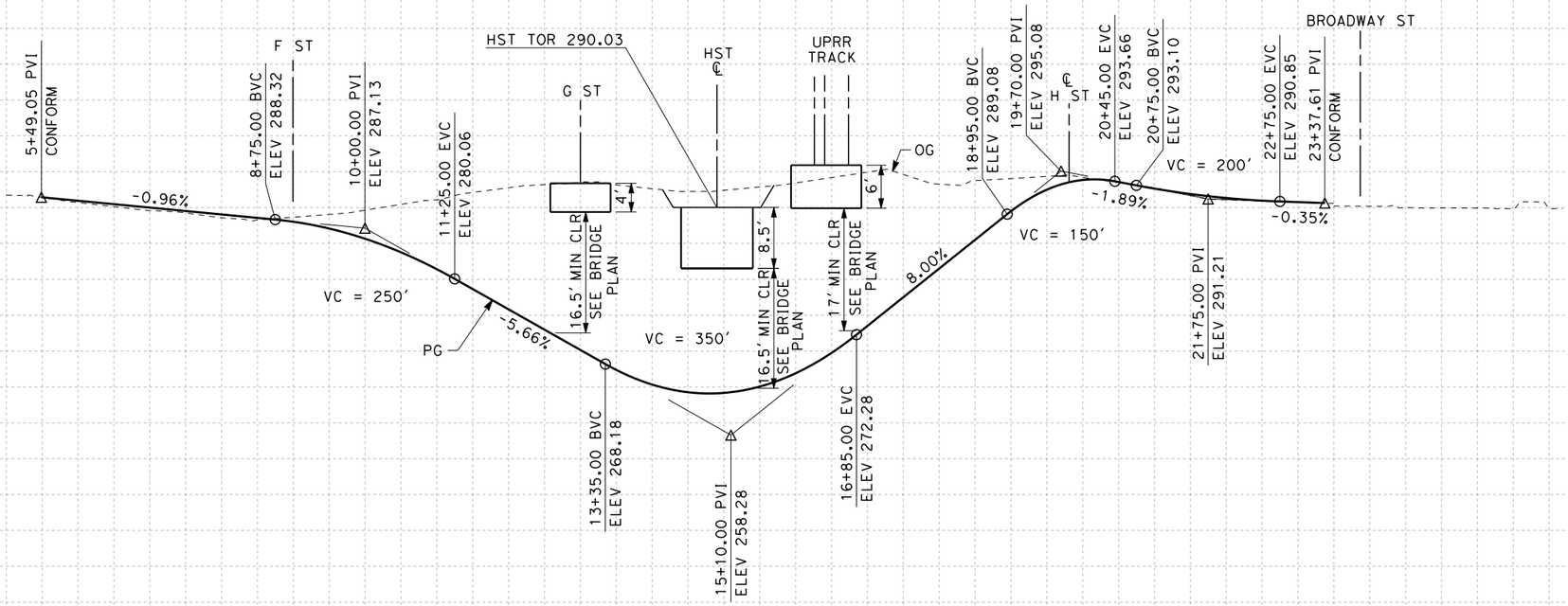
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
GRADE SEPARATION PROFILE
G ST (TULARE ST UNDERPASS)

CONTRACT NO. HSR 06-0003
DRAWING NO. CT2018
SCALE AS SHOWN
SHEET NO. 17 OF 28

\\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Highway\F1\FB-CT-2018-F1.dgn
2/13/2012 8:26:41 PM
eron.sudhausen

NOTES:

1. MINIMUM VERTICAL CLEARANCE UNDER HST IS 16.5' FROM BOTTOM OF STRUCTURE
2. MINIMUM VERTICAL CLEARANCE UNDER UPRR IS 16.5' FROM BOTTOM OF STRUCTURE
3. MINIMUM VERTICAL CLEARANCE UNDER LOCAL STREET IS 16.5' FROM BOTTOM OF STRUCTURE
4. VERTICAL DESIGN SPEED = 25 MPH (AASHTO)



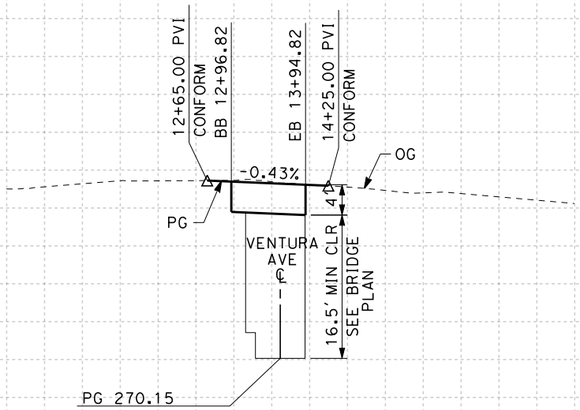

# PROFILE

"VEN" LINE
SCALE: HORIZ 1"=100'
VERT 1"=10'

| STATION | | |

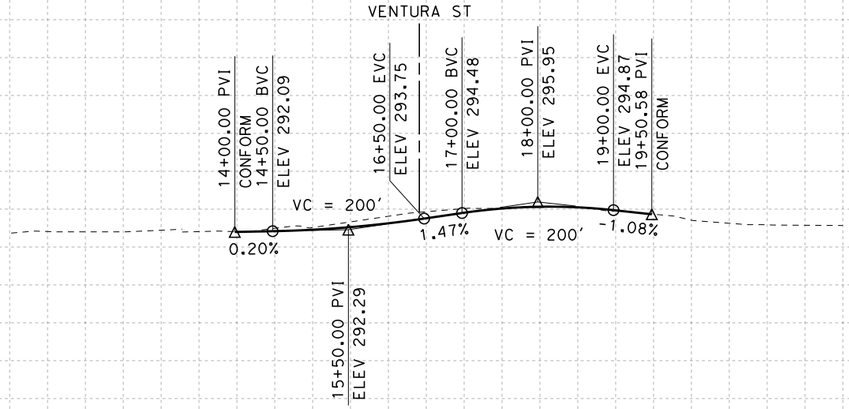
NOTES:

1. MINIMUM VERTICAL CLEARANCE UNDER LOCAL STREET IS 16.5' FROM BOTTOM OF STRUCTURE
2. VERTICAL DESIGN SPEED = 30 MPH




## PROFILE

"FGV" LINE
SCALE: HORIZ 1"=100'
VERT 1"=10'




## PROFILE

"FHV" LINE
SCALE: HORIZ 1"=100'
VERT 1"=10'

| STATION | | 10+00 | 1 | 2 | 3 | 4 | 15+00 | 6 | 7 | 8 | 9 | 1 | 2 | 3 | 4 | 15+00 | 6 | 7 | 8 | 9 | 20+00 | 1 | 2 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CY | Exc | | | | | | | | | | | | | | | | | | | | | | | |
| | Emb | | | | | | | | | | | | | | | | | | | | | | | |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY J. NETTLETON
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE Q. EARLE
DATE 03/28/12

**RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION**

URS | HMM | ARUP
California High-Speed Train

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

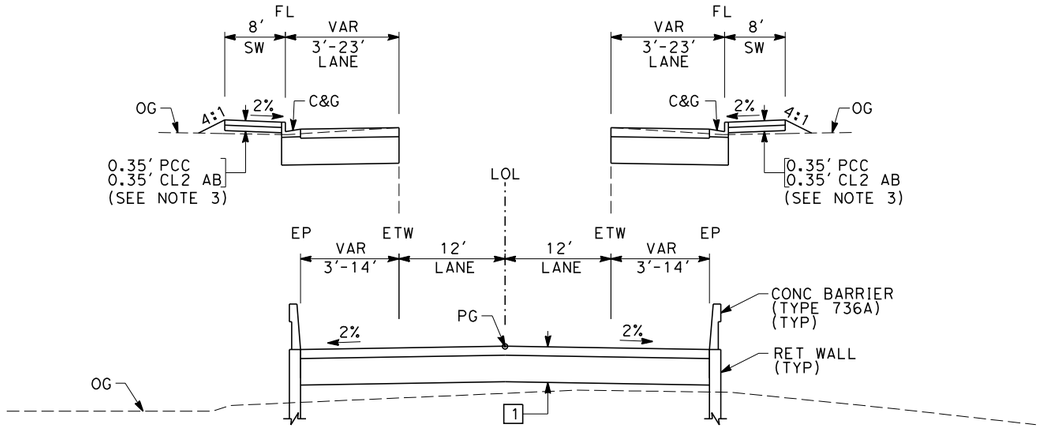
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
GRADE SEPARATION PROFILE
G ST (OVER VENTURA) & H ST

CONTRACT NO. HSR 06-0003
DRAWING NO. CT2029
SCALE AS SHOWN
SHEET NO.


ort52801 3/28/2012 3:40:29 PM CAHSRP-r1.tbl CHSR_PDF_half_black.plt6:_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\M-15% RBNSF Fresno\Sheet Files\Civil\CT2029.dgn

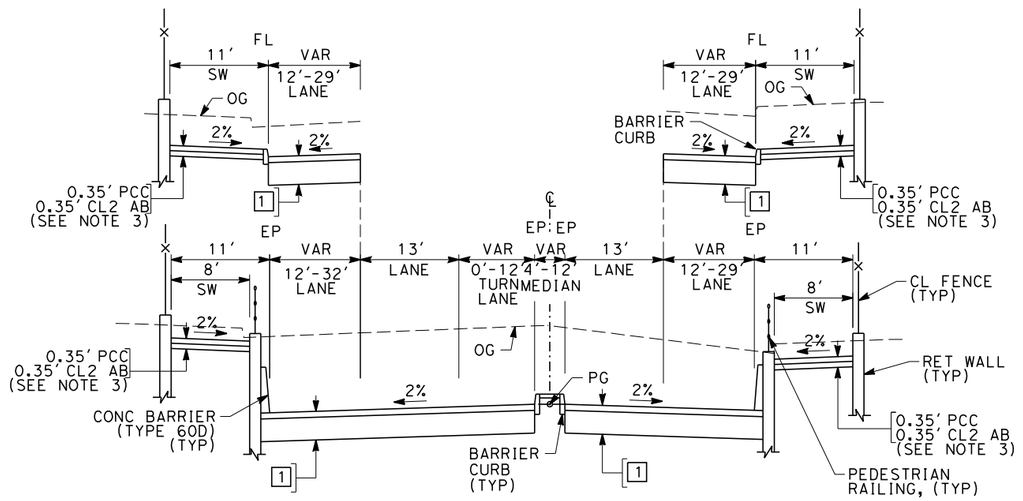
NOTES:

1. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
2. PAVEMENT SECTIONS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. EXACT DIMENSION AND MATERIAL OF THE PAVEMENT SECTION TO BE CONFIRMED.
3. PEDESTRIAN FACILITIES WILL BE DESIGNED TO COMPLY WITH ADA REQUIREMENTS.




## SECTION A

"STN" 14+70.00 TO 20+01.08
"STN" 27+96.08 TO 32+60.00
"TUO" 12+60.00 TO 17+54.63
"TUO" 25+14.96 TO 30+00.00

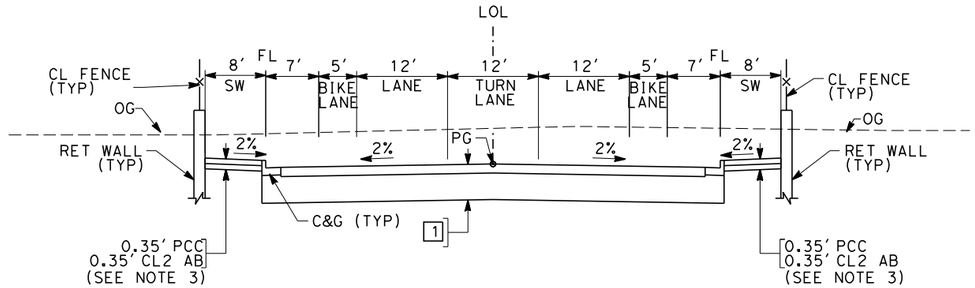



## SECTION B

"FFS" 9+00.00 TO 23+48.61

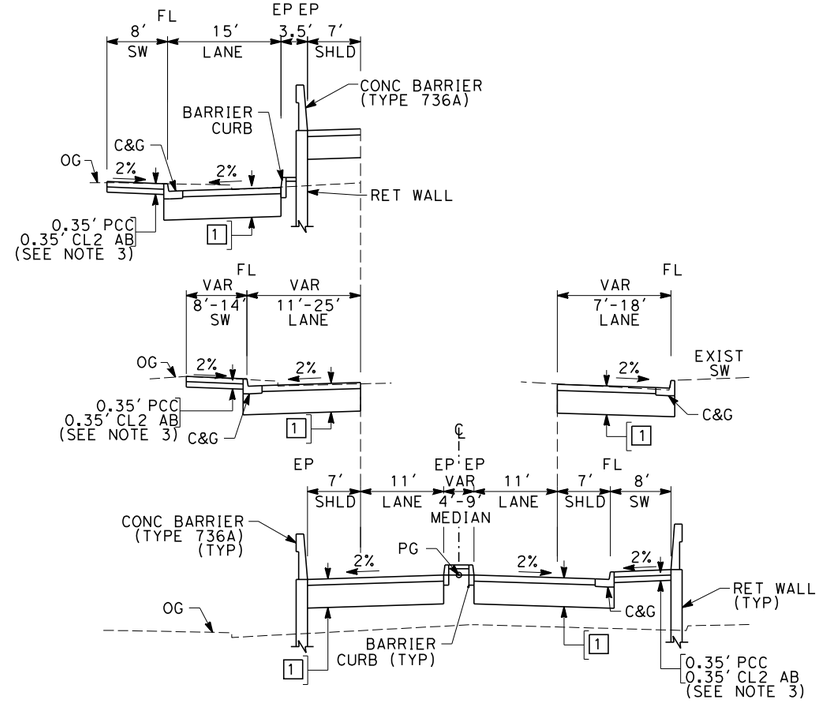
## STRUCTURAL SECTIONS
## TYPICAL ROADWAY

1 0.50' HMA (TYPE A)
1.50' CL2 AB




## SECTION C

"FHF" 0+50.00 TO 10+50.00




## SECTION D

"FTU" 5+00.00 TO 12+55.00 (OVERHEAD OPTION)
"FTU" 20+35.00 TO 27+41.27 (OVERHEAD OPTION)

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY J. MONG
DRAWN BY E. SUDHAUSEN
CHECKED BY M. BAMM
IN CHARGE R. COFFIN
DATE 02/15/12

**RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION**

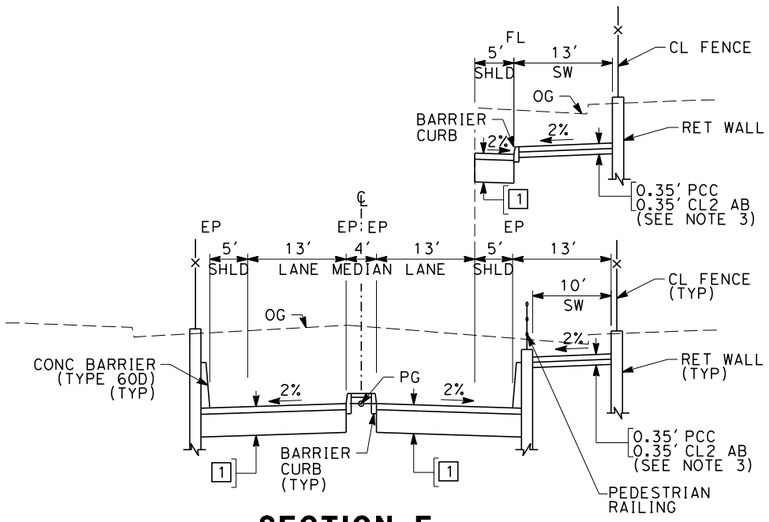
URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
ROADWAY / GRADE SEPARATION
TYPICAL CROSS SECTIONS

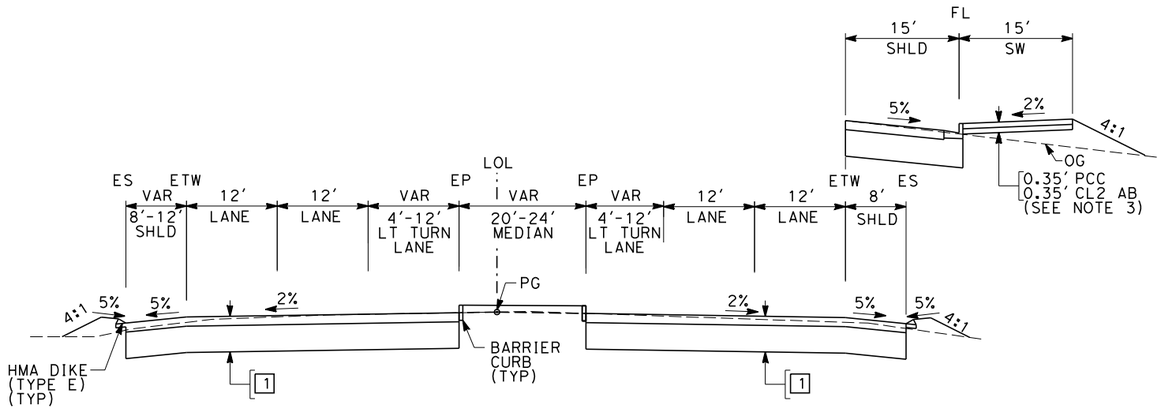
CONTRACT NO. HSR 06-0003
DRAWING NO. CT3001
SCALE NO SCALE
SHEET NO. 26 OF 28

eron.sudhausen 2/14/2012 2:39:17 PM \\global\americas\Jobs\SS-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Highway\F1\FB-CT-3001-F1.dgn



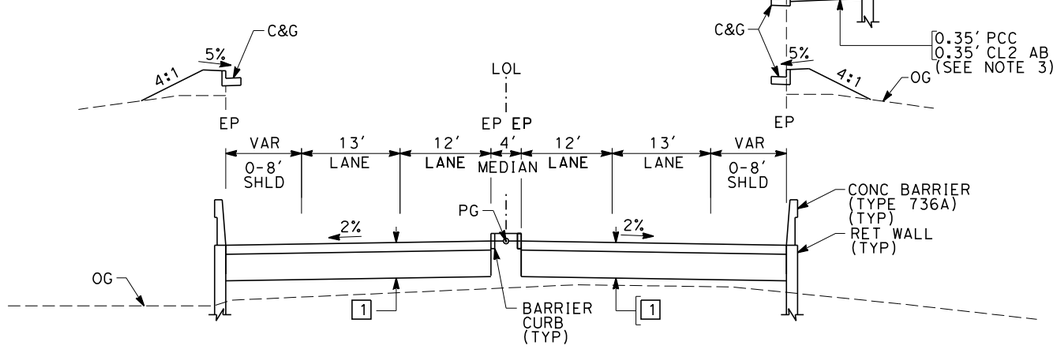

## SECTION E

"FTU" 9+00.00 TO 20+35.06 (UNDERPASS OPTION)



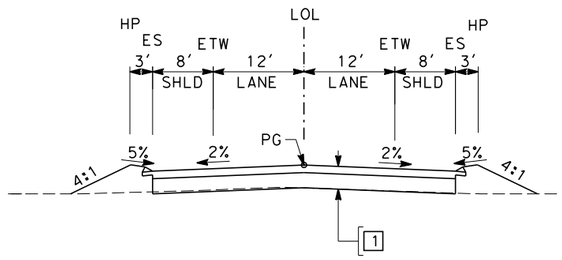

## SECTION G

"SGS" 12+00.00 TO 20+00.00




## SECTION F

"VEN" 7+00.00 TO 12+55.00
"VEN" 20+55.00 TO 25+50.00
"FCH" 12+93.39 TO 20+89.37
"FCH" 30+49.37 TO 38+00.00




## SECTION H

"FOC" 104+21.11 TO 106+94.71
"FOC" 107+95.45 TO 117+13.51
"FCE" 20+00.00 TO 24+06.53
"FCE" 44+00.00 TO 46+00.00
"FCD" 119+00.00 TO 129+00.00

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY J. MONG
DRAWN BY E. SUDHAUSEN
CHECKED BY M. BAMM
IN CHARGE R. COFFIN
DATE 02/15/12

**RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION**

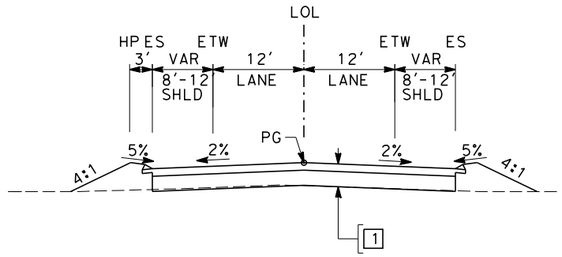
URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
ROADWAY / GRADE SEPARATION
TYPICAL CROSS SECTIONS

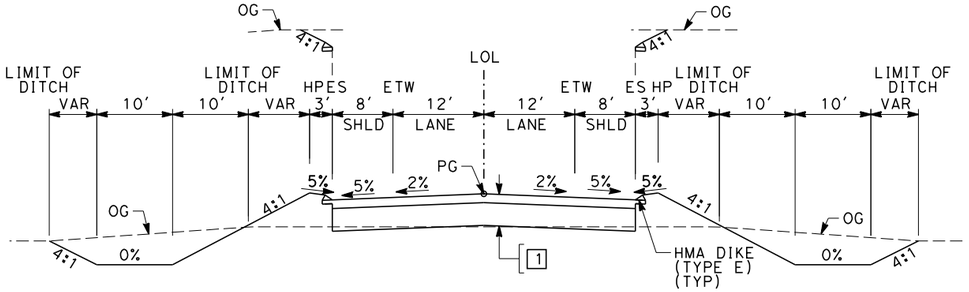
CONTRACT NO. HSR 06-0003
DRAWING NO. CT3002
SCALE NO SCALE
SHEET NO. 27 OF 28

eron.sudhausen 2/13/2012 8:26:52 PM \\global\americas\Jobs\S-F\131000\131577\V4 Internal Project Data\V4-03 Drawings\V4-03-02 15% Redesign\V4-03-02-05 Design Sheets\Highway\F1\FB-CT-3002-F1.dgn



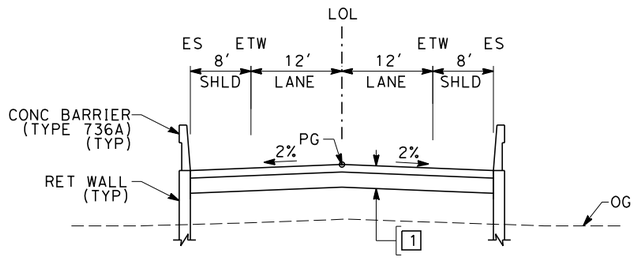

## SECTION I

"FGC" 101+50.00 TO 106+87.24



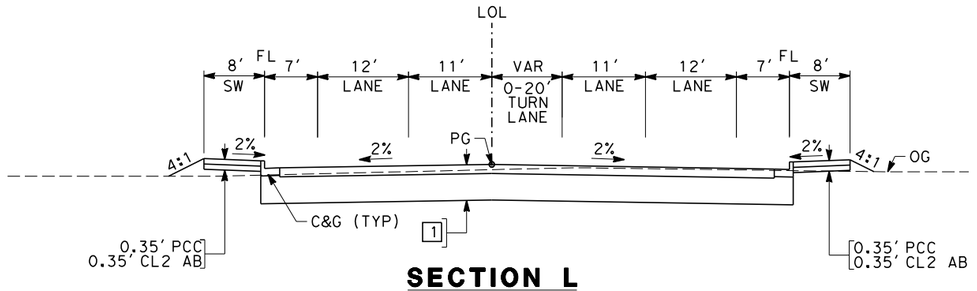

## SECTION K

"FAM" 11+00.00 TO 23+91.66
"FAM" 27+71.66 TO 40+48.59




## SECTION J

"FCE" 24+06.53 TO 31+87.10
"FCE" 37+97.10 TO 44+00.00




## SECTION L

"FGF" 30+38.00 TO 33+08.00
"FGF" 33+92.00 TO 37+00.00
"FGF" 41+15.14 TO 42+60.11
"FGF" 43+17.11 TO 44+65.14

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY J. MONG
DRAWN BY E. SUDHAUSEN
CHECKED BY M. BAMM
IN CHARGE R. COFFIN
DATE 02/15/12

**RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION**

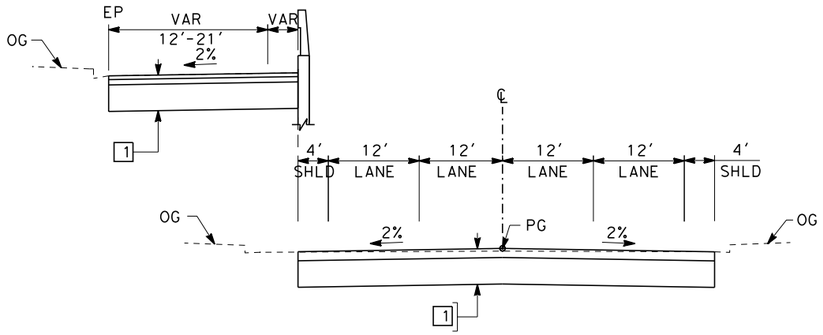
URS | HMM | ARUP
California High-Speed Train

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**FRESNO TO BAKERSFIELD**
FRESNO SUBSECTION
ALIGNMENT F1
ROADWAY / GRADE SEPARATION
TYPICAL CROSS SECTIONS

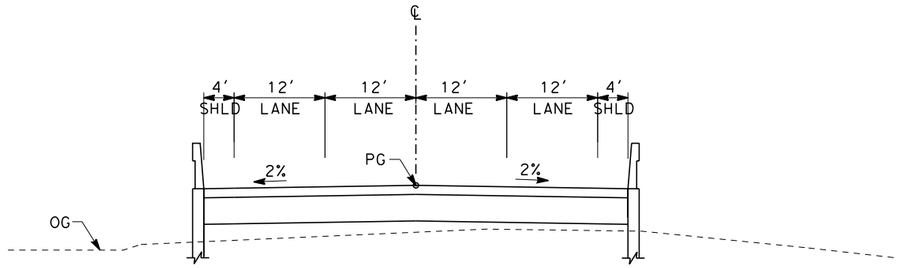
CONTRACT NO. HSR 06-0003
DRAWING NO. CT3003
SCALE NO SCALE
SHEET NO. 28 OF 28

eron.sudhausen 2/13/2012 8:26:53 PM \\global\americas\Jobs\S-F\131000\131577\4 Internal Project Data\4-03 Drawings\4-03-02 15% Redesign\4-03-02-05 Design Sheets\Highway\F1\FB-CT-3003-F1.dgn



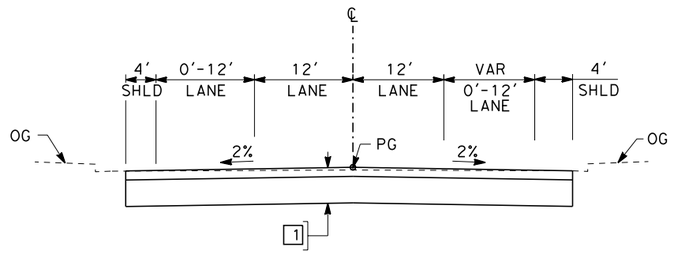

## SECTION M

"STN" 12+71.87 TO 16+69.70



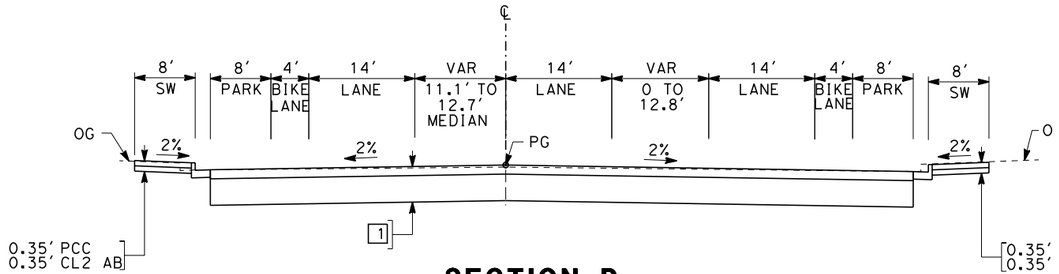

## SECTION N

"STN" 16+69.70 TO 20+01.08
"STN" 27+96.08 TO 30+78.65



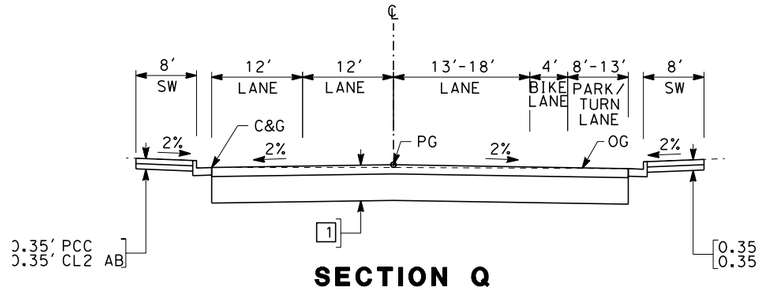

## SECTION O

"STN" 30+78.65 TO 32+60.00



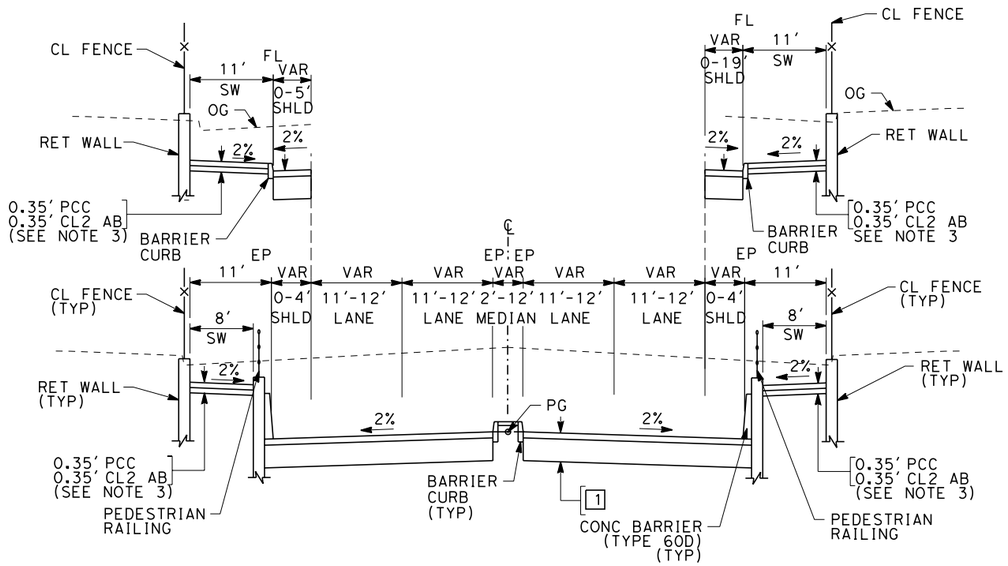

## SECTION P

"TUO" 14+43.00 TO 17+57.62




## SECTION Q

"TUO" 25+05.49 TO 28+50.00




## SECTION R

"VEN" 5+23.68 TO 23+37.61

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY J. NETTLETON
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE Q. EARLE
DATE 03/28/12

**RECORD SET 15% DESIGN SUBMISSION - NOT FOR CONSTRUCTION**

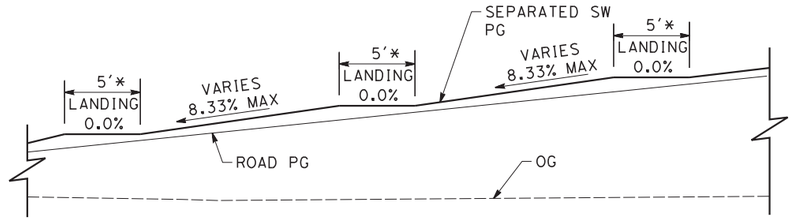
URS | HMM | ARUP
California High-Speed Train

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
# FRESNO TO BAKERSFIELD
FRESNO SUBSECTION
ALIGNMENT F1
ROADWAY / GRADE SEPARATION
TYPICAL CROSS SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CT3004
SCALE AS SHOWN
SHEET NO.

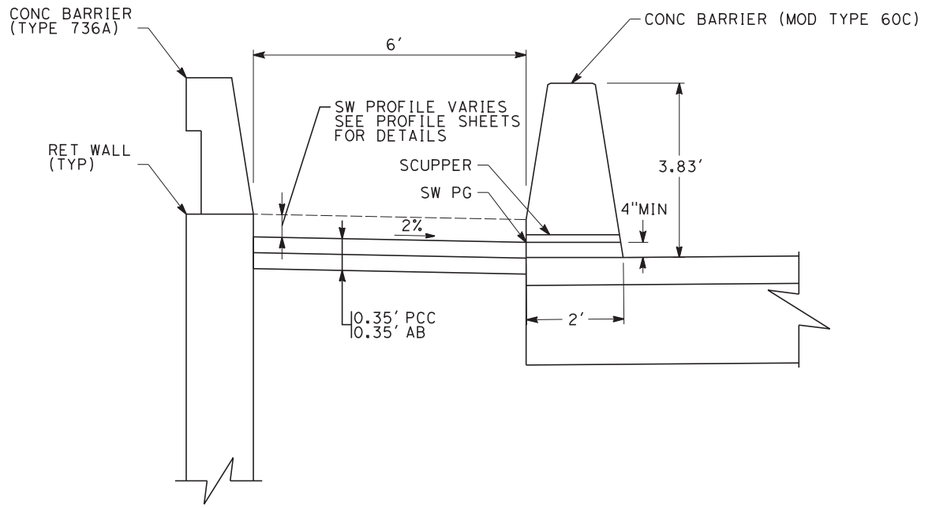
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* PROVIDE 5' LANDING FOR EVERY 30" VERTICAL RISE (MAX).

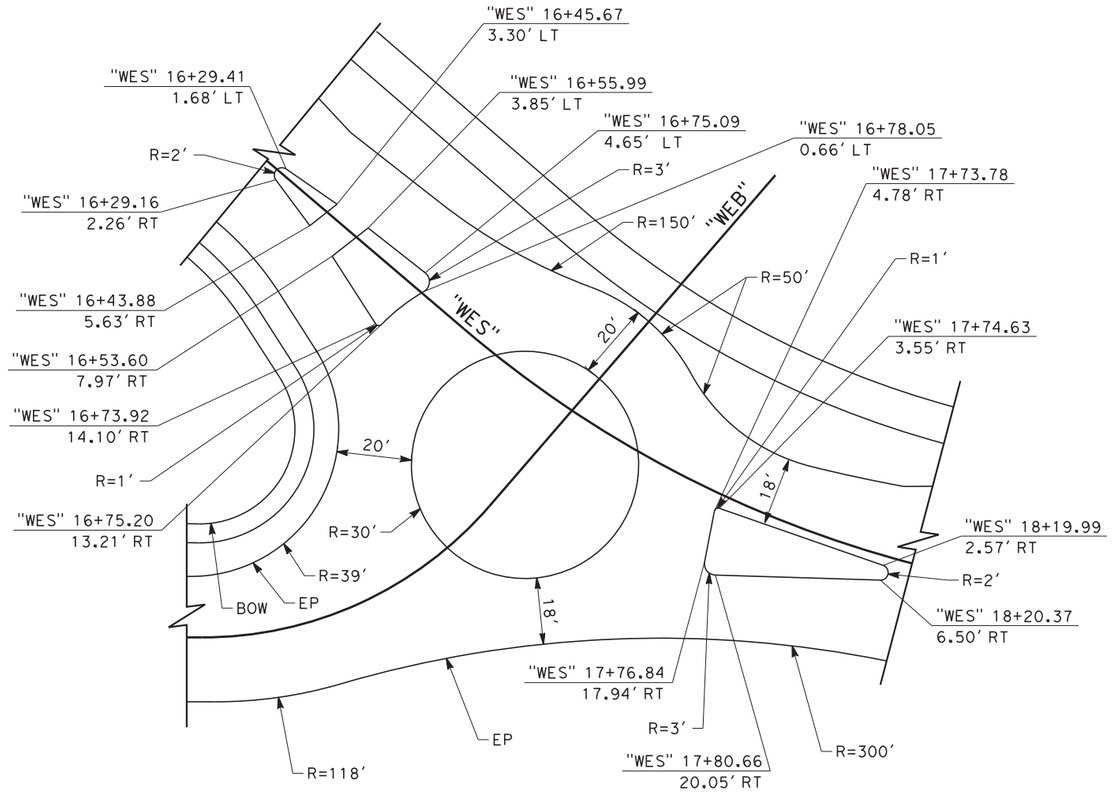
## SEPARATED SIDEWALK PROFILE DETAIL

SCALE: NO SCALE




## SEPARATED SIDEWALK SECTION DETAIL

SCALE: NO SCALE




## N WEST AVE TRAFFIC CIRCLE

SCALE: 1"=20'-0"

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY J. NETTLETON
DRAWN BY V. ORTEGA
CHECKED BY B. RAWSON
IN CHARGE O. EARLE
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
CONSTRUCTION DETAILS

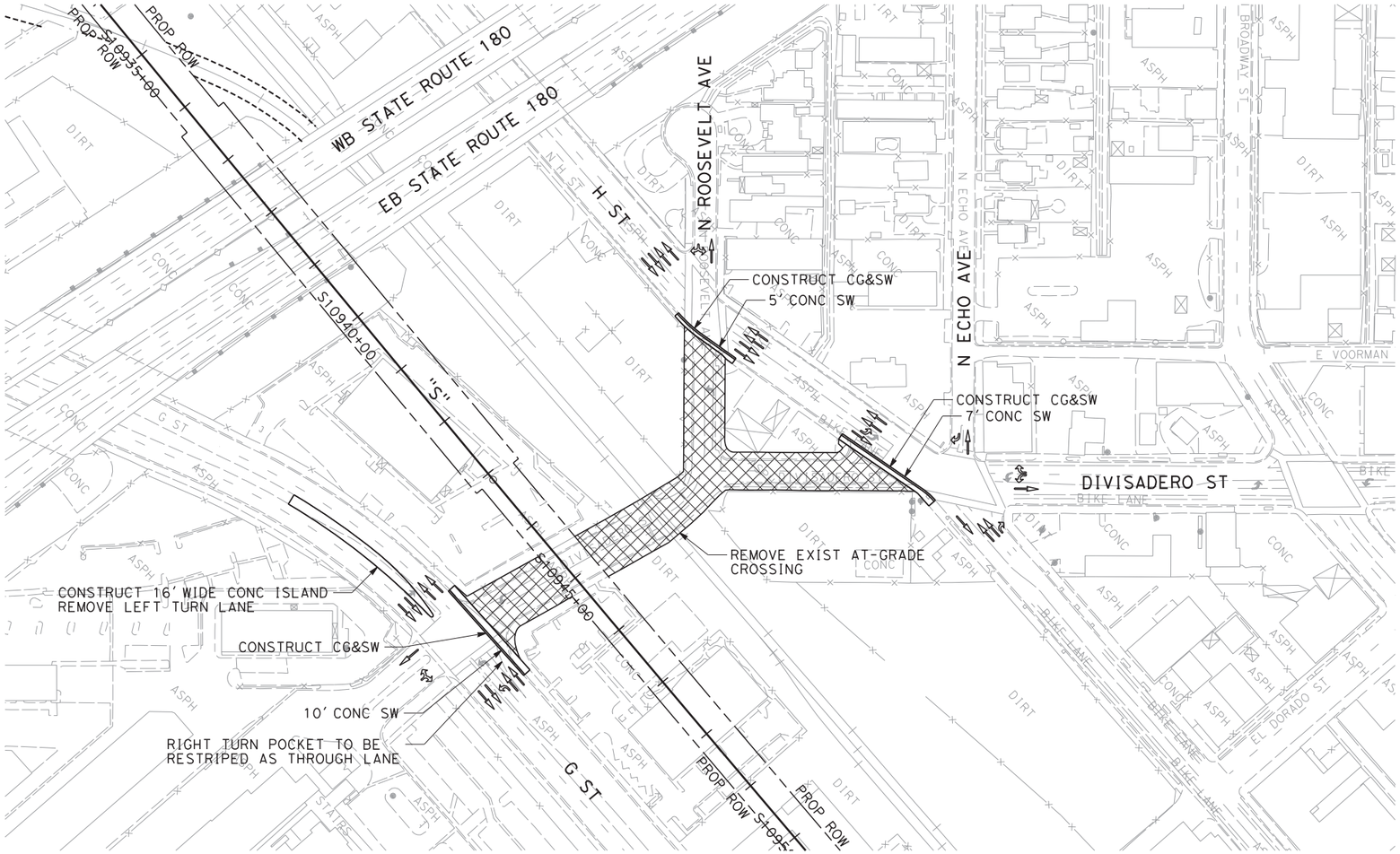
CONTRACT NO.
DRAWING NO. CV-T5000
SCALE AS SHOWN
SHEET NO.

DEA54595 12/1/2011 4:00:27 PM CAHSRP-r1.tbl CHSR_PDF_half_black.plt G:_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Civil\S1-CV-T5000.dgn

LEGEND:

REMOVE BASE, SURFACING, & MINOR CONCRETE

PROPOSED TRAFFIC CIRCULATION




## ROADWAY CLOSURE DETAIL

DIVISADERO ST

100 0 100 200

1"=100'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY J. BINNING
DRAWN BY J. BINNING
CHECKED BY B. RAWSON
IN CHARGE O. EARLE
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
ROADWAY CLOSURE DETAILS

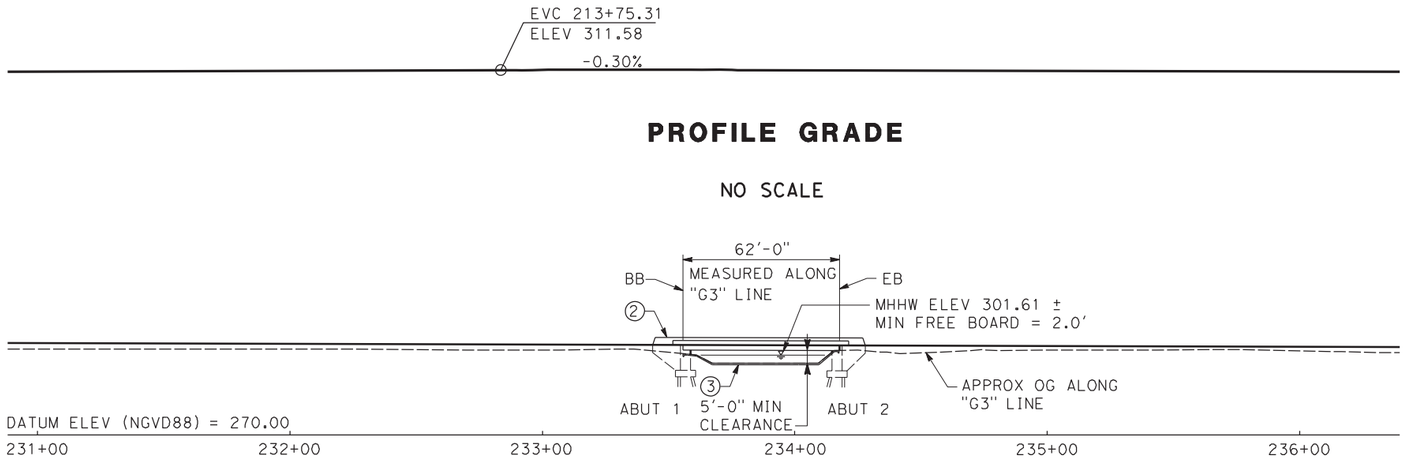
CONTRACT NO.

DRAWING NO. CV-T5001

SCALE AS SHOWN

SHEET NO.

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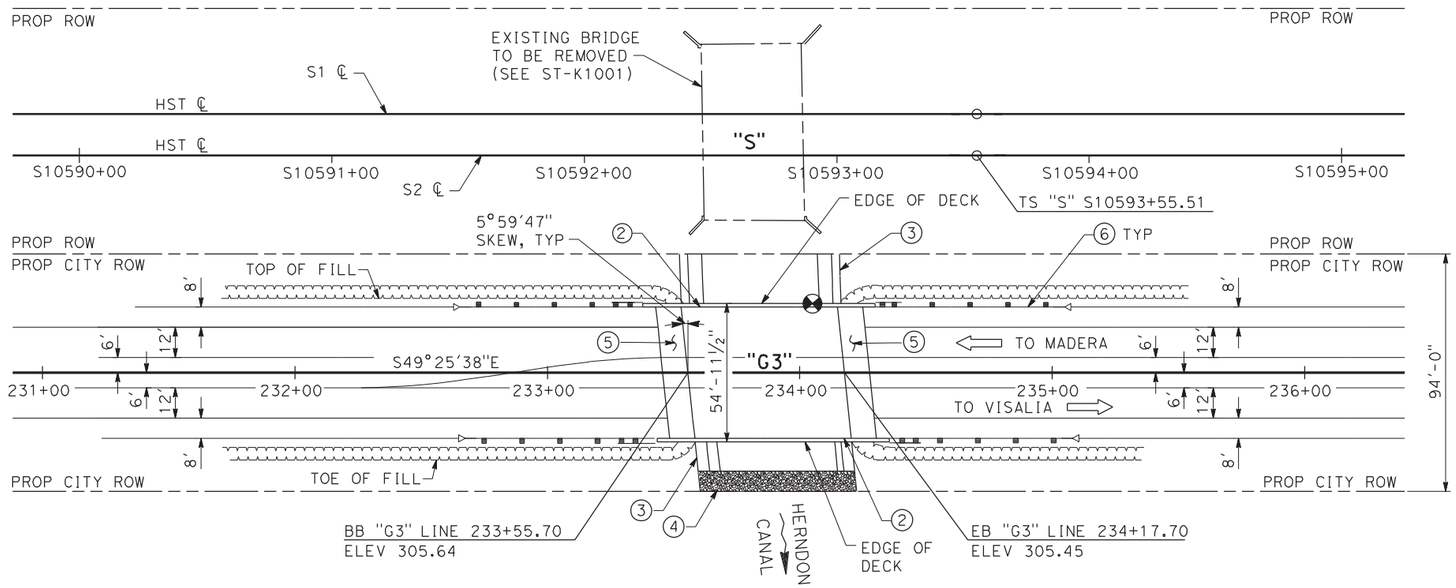



## PROFILE GRADE

NO SCALE

## ELEVATION

SCALE: 1"=30'-0"




## PLAN

SCALE: 1"=30'-0"

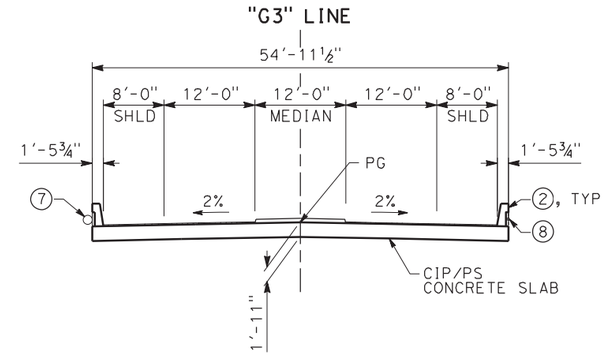
### NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

(2) CONCRETE BARRIER (TYPE 736 MODIFIED)
(3) CONCRETE CHANNEL LINING
(4) ROCK SLOPE PROTECTION
(5) STRUCTURE APPROACH SLAB, TYPE EQ(10)
(6) METAL BEAM GUARD RAILING
(7) 14" DIA WATER LINE
(8) 4" DIA GAS LINE

### LEGEND:

- DIRECTION OF TRAFFIC
- NEW CONSTRUCTION
- EXISTING STRUCTURE
- POINT OF MINIMUM VERTICAL CLEARANCE




## TYPICAL SECTION

SCALE: 1"=10'-0"

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY H. LEE
DRAWN BY E. CISNEROS
CHECKED BY T. DUDLEY
IN CHARGE D. MINISTER
DATE 02/01/2012

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
GOLDEN STATE BLVD BRIDGE AT HERNDON CANAL
GENERAL PLAN

CONTRACT NO.
DRAWING NO. ST-11001
SCALE AS SHOWN
SHEET NO.

cisnerose 2/13/2012 2:48:20 PM cahsrp-r1.tbl chsr_half_black.plt \\ussclfp001\Cadd\CHSR\60022962\Task-03_Merced-Fresno\CADD\Struct\Sheet\1S-ST-11001.dgn

c:\serose 2/20/2012 12:18:40 PM cahsrp-r1.tbl chsr_half_black.plt \\ussccr1fp001\Cadd\CHSR\60022962\Task-03_Merced-Fresno\CADD\Struct\Sheet\1S-ST-11002.dgn

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

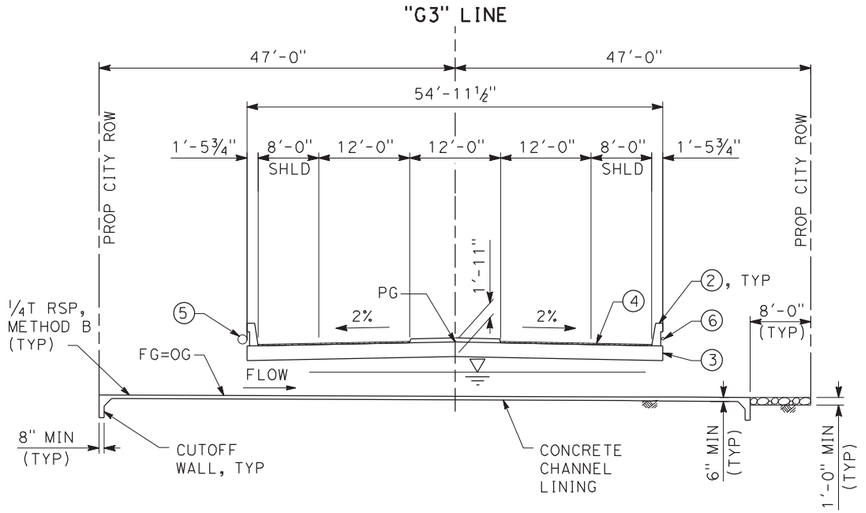
(2) CONCRETE BARRIER (TYPE 736 MODIFIED)

(3) CIP/PS CONCRETE SLAB

(4) ¾" POLYESTER CONCRETE OVERLAY

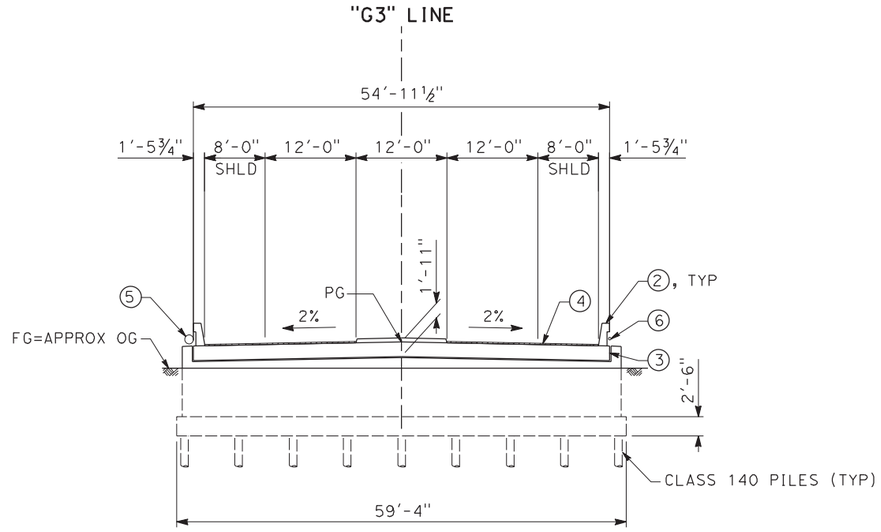
(5) 14" DIA WATER LINE

(6) 4" DIA GAS LINE




## SECTION AT MID-SPAN

SCALE: 1"= 10'-0"




## SECTION AT ABUTMENT 2

SCALE: 1"= 10'-0"

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: H. LEE
DRAWN BY: E. CISNEROS
CHECKED BY: T. DUDLEY
IN CHARGE: D. MINISTER
DATE: 02/01/2012

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

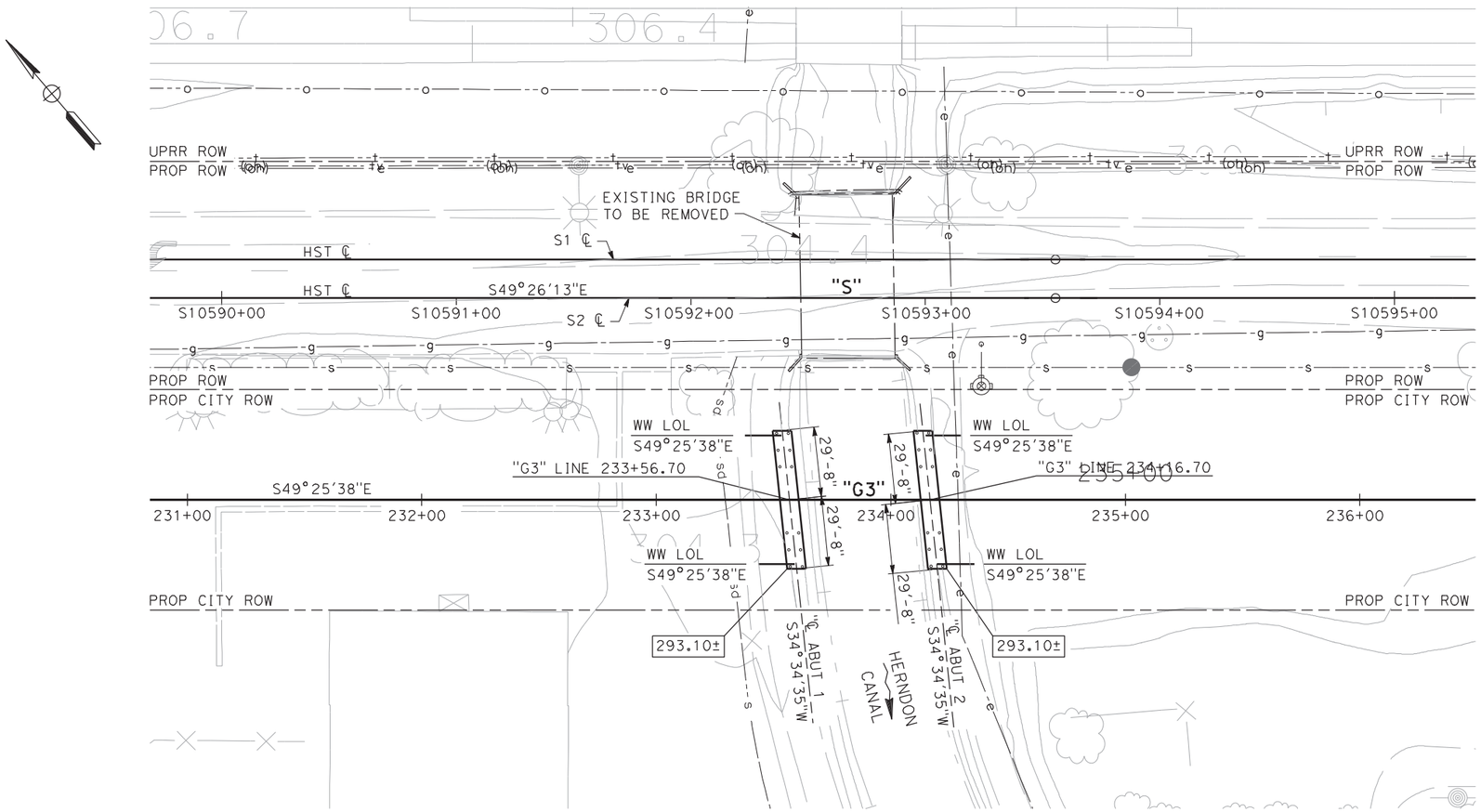
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
GOLDEN STATE BLVD BRIDGE AT HERNDON CANAL
TYPICAL SECTIONS

CONTRACT NO.
DRAWING NO. ST-11002
SCALE AS SHOWN
SHEET NO.




**PLAN**
SCALE: 1"=30'-0"

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. EXISTING BRIDGE AND UTILITY ARE APPROXIMATE.
3. EXISTING UNDERGROUND AND OVERHEAD UTILITIES TO BE DETERMINED.

## LEGEND:

- BOTTOM OF FOOTING ELEVATION
- PC/PS PILE
- EXISTING STRUCTURE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY H. LEE
DRAWN BY E. CISNEROS
CHECKED BY T. DUDLEY
IN CHARGE D. MINISTER
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

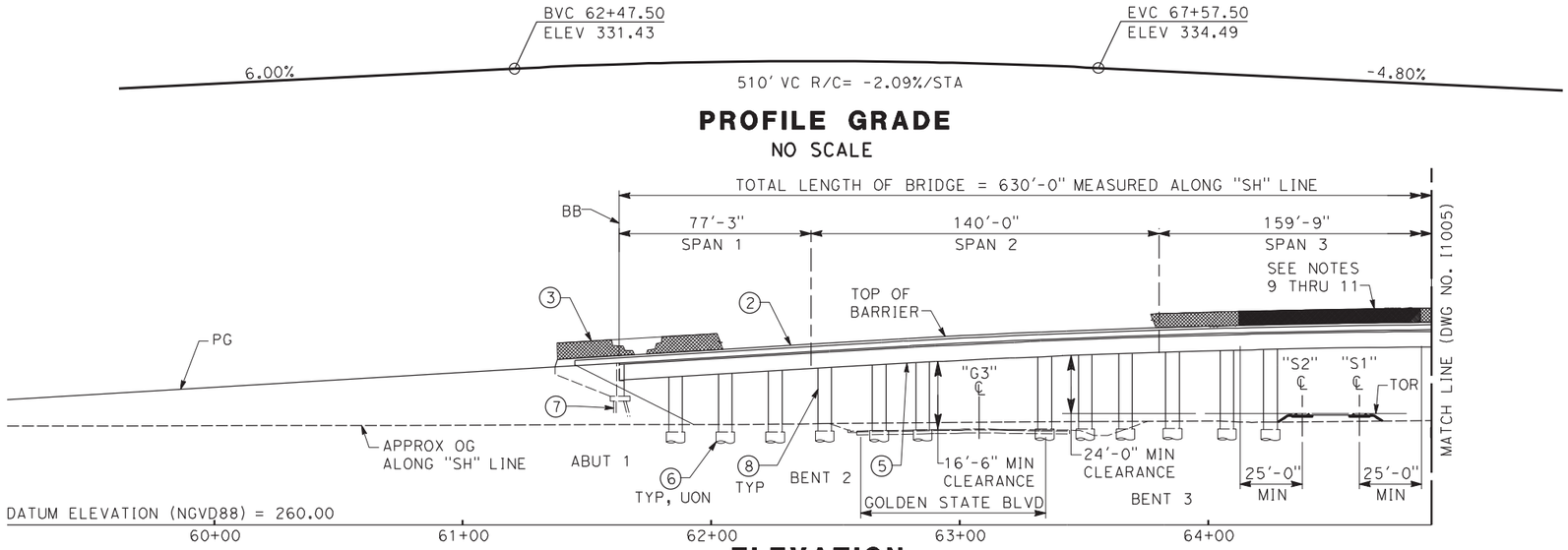
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
GOLDEN STATE BLVD BRIDGE AT HERNDON CANAL
FOUNDATION PLAN

CONTRACT NO.
DRAWING NO. ST-11003
SCALE AS SHOWN
SHEET NO.

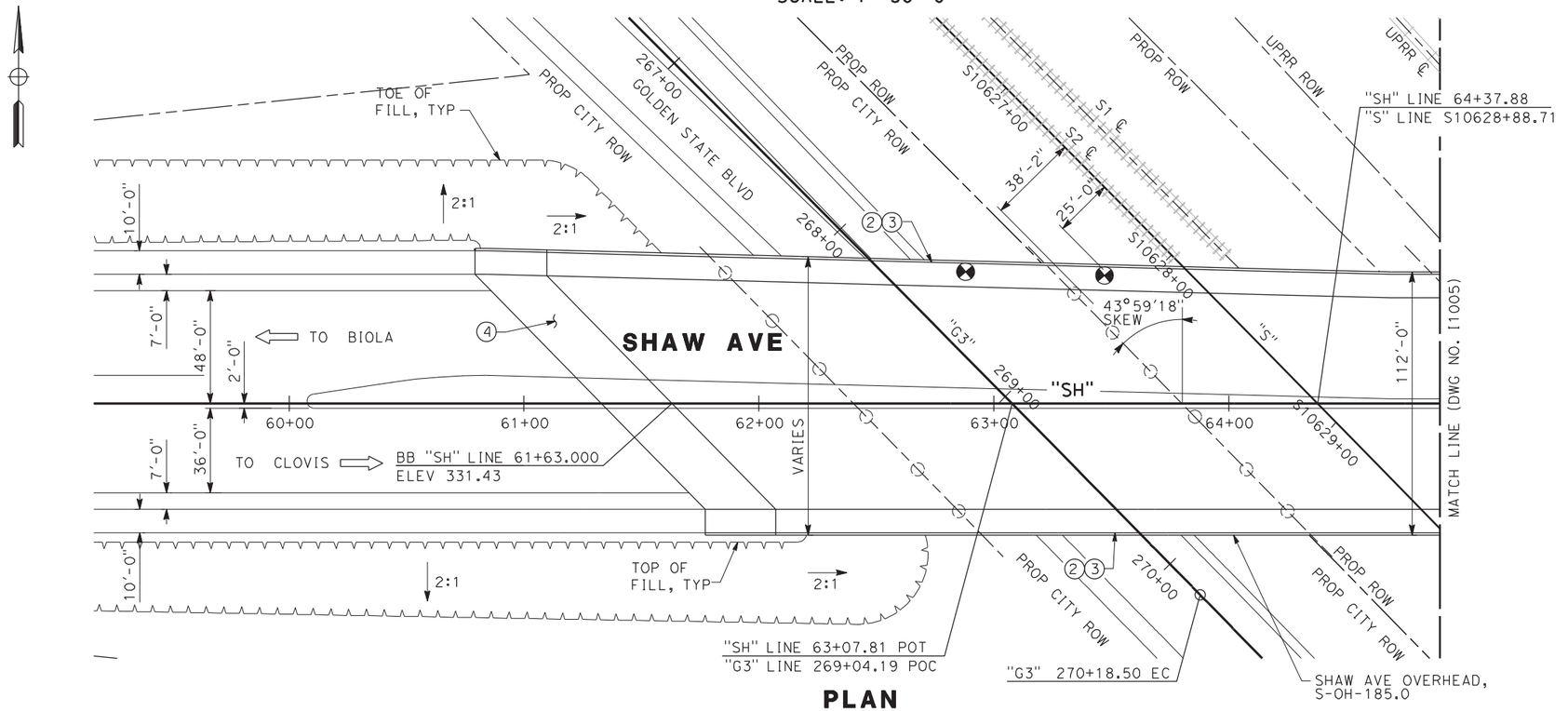
cisnerose 11/30/2011 5:26:01 PM cahsrp-r1.tbl chsr_half_black.plt \\usscr1fp001\Cadd\CHSR\60022962\Task-03_Merced-Fresno\cadd\Struct\Sheet\1S-ST-11003.dgn




## PROFILE GRADE
NO SCALE




## ELEVATION
SCALE: 1"=30'-0"




## PLAN
SCALE: 1"=30'-0"

### NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

(2) CONCRETE BARRIER (TYPE 26 MODIFIED)
(3) AR FENCE
(4) STRUCTURE APPROACH, TYPE N(30S)
(5) CIP/PS CONCRETE BOX GIRDER
(6) 7'-6" DIA CIDH PILE
(7) PC CONC PILE
(8) 5'-6" DIA CONCRETE COLUMN

9. AR FENCE SHALL BE PROVIDED AS INDICATED ON THE ELEVATION VIEW ON BOTH SIDES OF THE OVERHEAD STRUCTURE IN ALL NEW EXISTING STRUCTURES.
10. SOLID PLATE SHALL BE MOUNTED ON RIGID TRAFFIC BARRIER AND PROPERLY ATTACHED TO THE AR FENCE.
11. AR FENCE WITH SOLID PLATE SHALL EXTEND 25 FEET FROM CENTERLINE OF THE OUTER MOST TRACKS.
12. FOR UTILITY INFORMATION, SEE UTILITY BASE MAP PLANS.
13. EXISTING UPRR ROW TO BE CONFIRMED ON SITE.

### LEGEND:

| | |
|---|---|
| ⇦ | DIRECTION OF TRAFFIC |
| ⊗ | POINT OF MINIMUM VERTICAL CLEARANCE |
| ▦ | RAILROAD AND HIGH-SPEED TRAIN TRACK |
| ——— | NEW CONSTRUCTION |
| TOR | TOP OF RAIL |
| HST | HIGH SPEED TRAIN |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: H. LEE
DRAWN BY: E. CISNEROS
CHECKED BY: T. DUDLEY
IN CHARGE: D. MINISTER
DATE: 02/01/2012

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

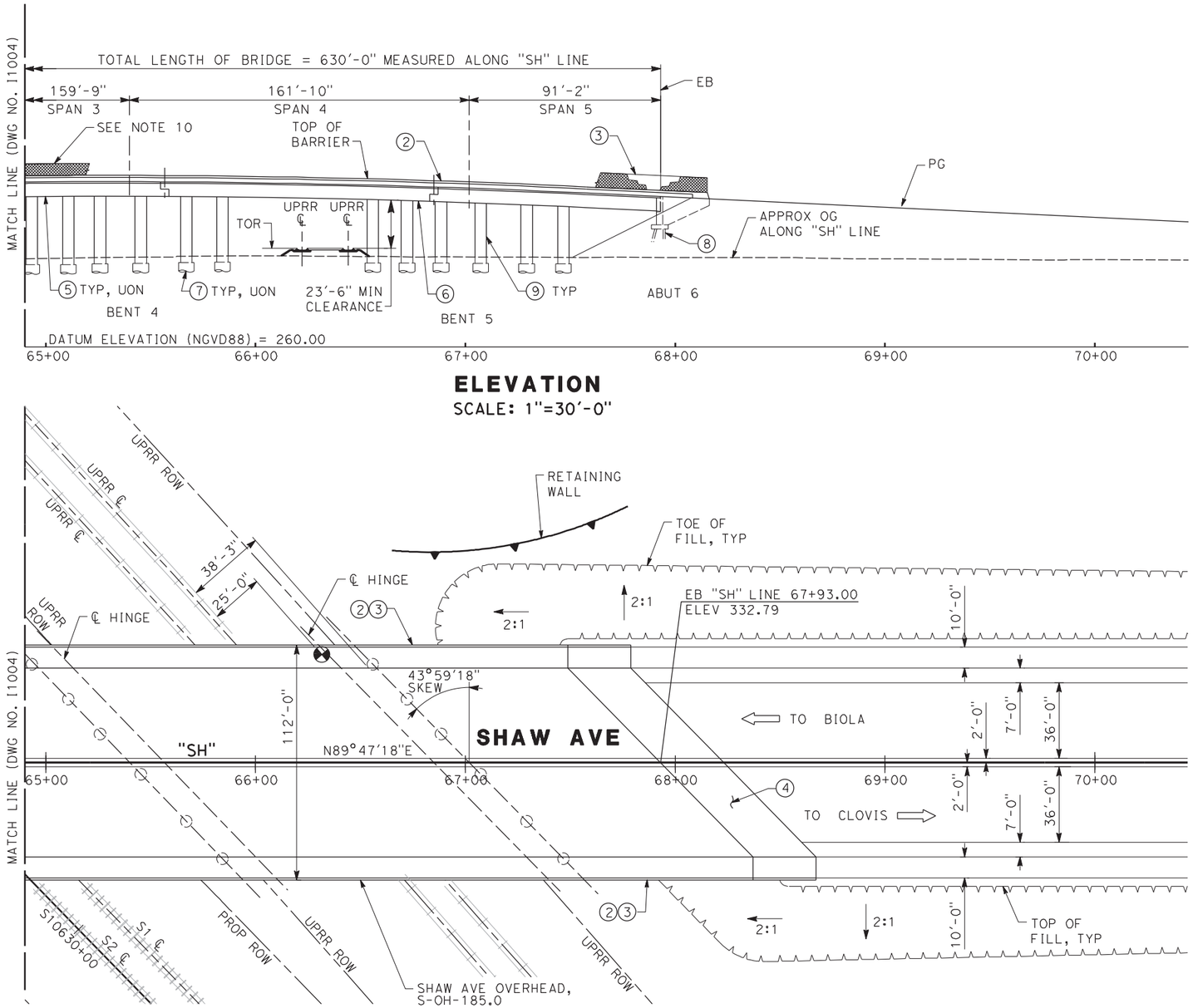
AECOM
Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
SHAW AVE OVERHEAD
GENERAL PLAN NO. 1

CONTRACT NO.
DRAWING NO. ST-I1004
SCALE AS SHOWN
SHEET NO.

cisnerose 2/14/2012 11:24:12 AM cahsrp-r1.tbl chsr_half_black.plt \\usscr1fp001\Cadd\CHSR\60022962\Task-03_Merced-Fresno\CADD\Struct\Sheet\1S-ST-I1004.dgn




## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

(2) CONCRETE BARRIER (TYPE 26 MODIFIED)
(3) AR FENCE
(4) STRUCTURE APPROACH, TYPE N(30S)
(5) CIP/PS CONCRETE BOX GIRDER
(6) PC/PS BULB-TEE GIRDER
(7) 7'-6" DIA CIDH PILE
(8) PC CONC PILE
(9) 5'-6" DIA CONCRETE COLUMN

10. AR FENCE SHALL BE PROVIDED AS INDICATED ON THE ELEVATION VIEW ON BOTH SIDES OF THE OVERHEAD STRUCTURE IN ALL NEW EXISTING STRUCTURES.
11. FOR UTILITY INFORMATION, SEE UTILITY BASE MAP PLANS.
12. EXISTING UPRR ROW TO BE CONFIRMED ON SITE.

## LEGEND:

- DIRECTION OF TRAFFIC
- POINT OF MINIMUM VERTICAL CLEARANCE
- RAILROAD AND HIGH-SPEED TRAIN TRACK
- NEW CONSTRUCTION
- TOR TOP OF RAIL
- HST HIGH SPEED TRAIN

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY H. LEE
DRAWN BY E. CISNEROS
CHECKED BY T. DUDLEY
IN CHARGE D. MINISTER
DATE 02/01/2012

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

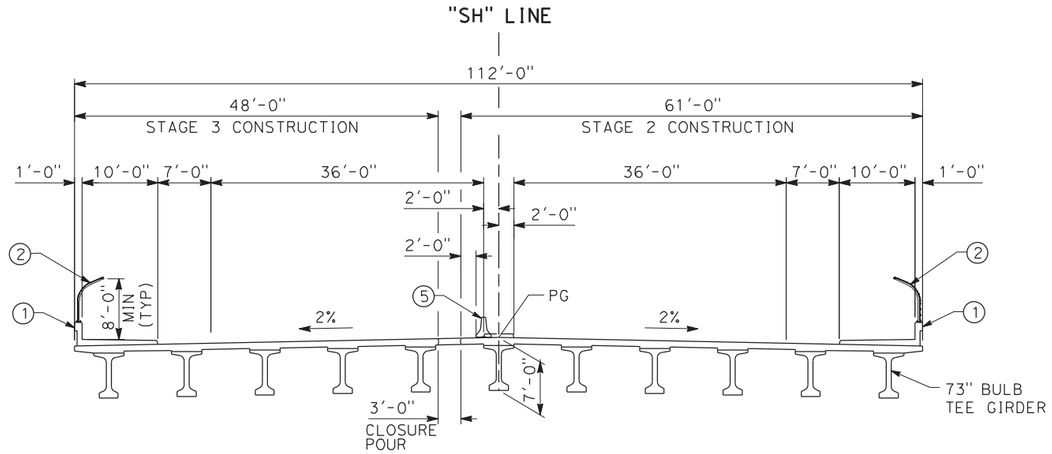
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Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
SHAW AVE OVERHEAD
GENERAL PLAN NO. 2

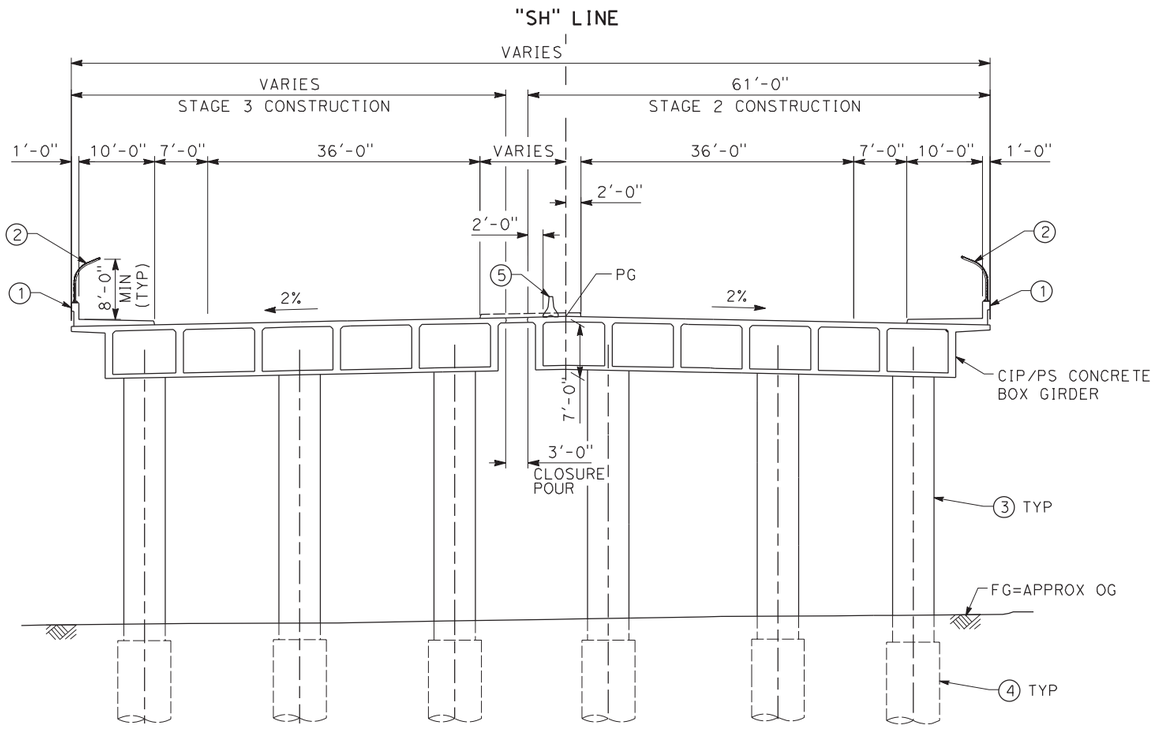
CONTRACT NO.
DRAWING NO. ST-11005
SCALE AS SHOWN
SHEET NO.

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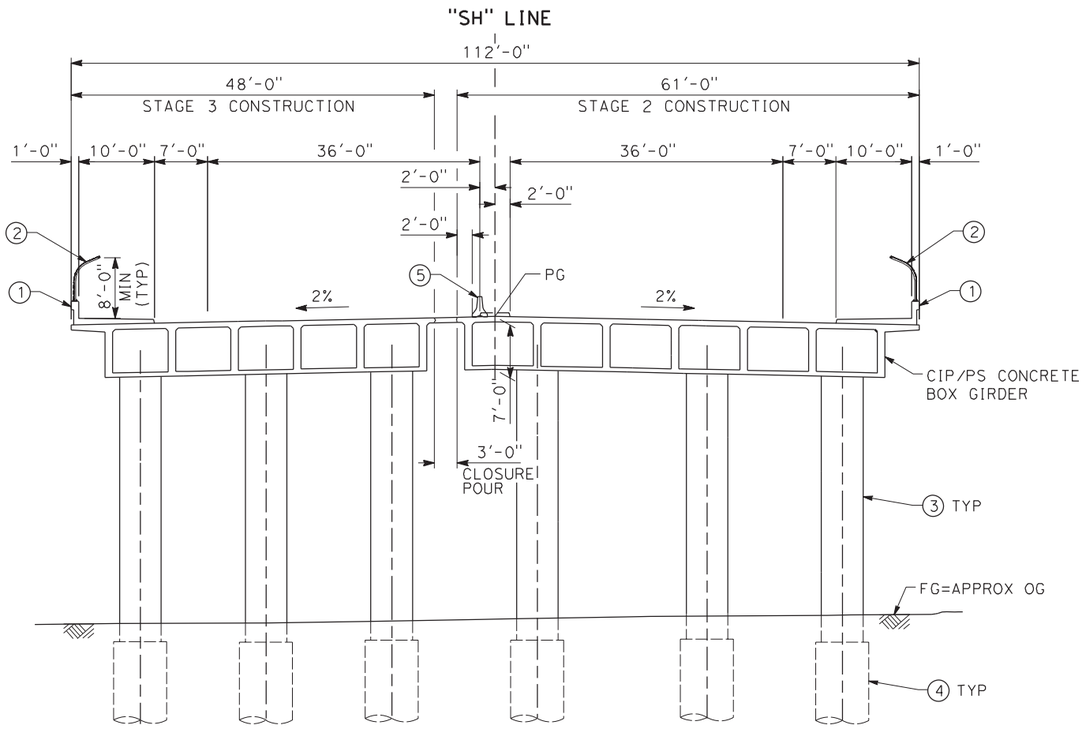

## SPAN 4 TYPICAL SECTION

SCALE: 1"=10'-0"




## SPANS 1 THRU 3 TYPICAL SECTION

SCALE: 1"=10'-0"




## SPAN 5 TYPICAL SECTION

SCALE: 1"=10'-0"

**NOTES:**

1. CONCRETE BARRIER (TYPE 26 MODIFIED)
2. AR FENCE
3. 5'-6" DIA CONCRETE COLUMN
4. 7'-6" DIA CIDH PILE
5. TEMPORARY RAILING TYPE K
6. AR FENCE SHALL BE PROVIDED AS INDICATED ON THE CROSS SECTIONS VIEWS ON BOTH SIDES OF THE OVERHEAD STRUCTURE IN ALL NEW EXISTING STRUCTURES.

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: H. LEE
DRAWN BY: E. CISNEROS
CHECKED BY: T. DUDLEY
IN CHARGE: D. MINISTER
DATE: 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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2020 L Street, Suite 300
Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
SHAW AVENUE OVERHEAD
TYPICAL SECTIONS

CONTRACT NO.
DRAWING NO. ST-I1006
SCALE AS SHOWN
SHEET NO.

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**CURVE DATA:** (A)

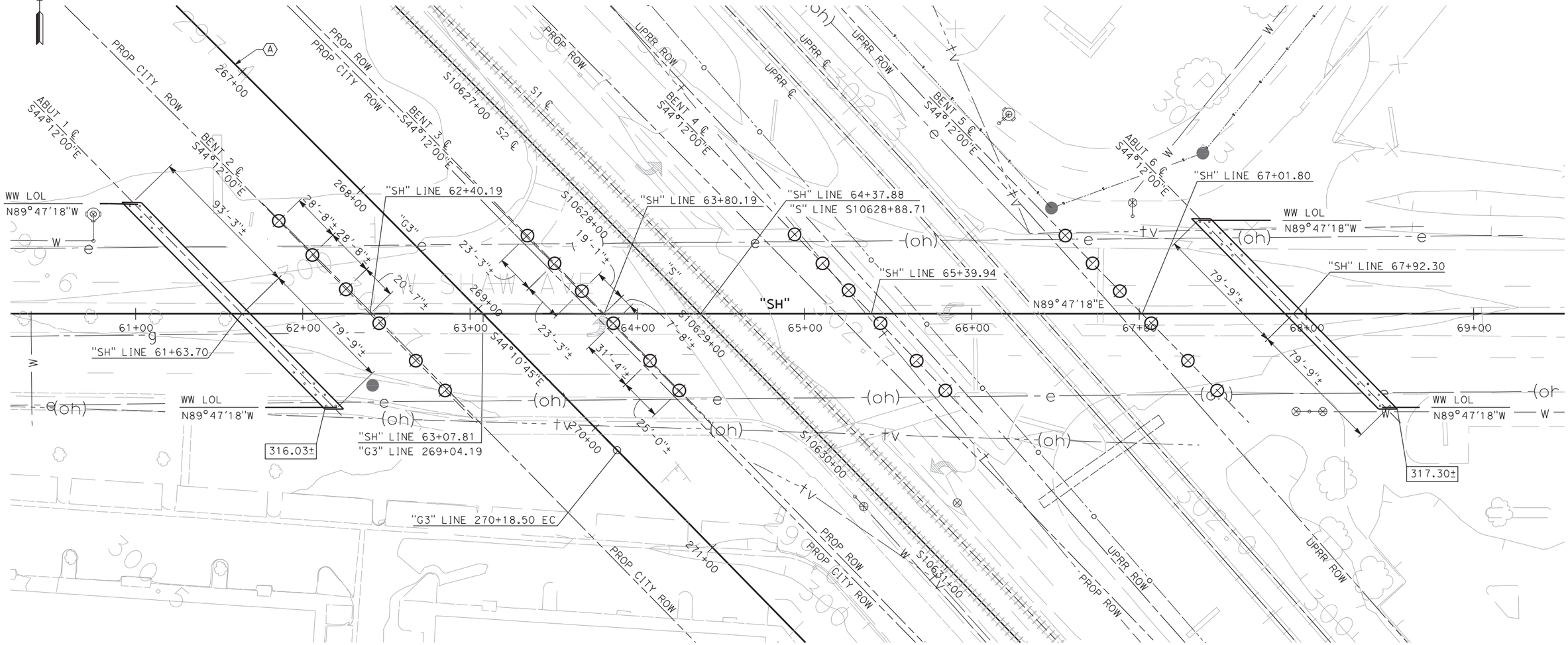
R = 30000.00′
Δ = 5°14′53"
T = 1727.64′
L = 2747.93′

**LEGEND:**

- BOTTOM OF FOOTING ELEVATION
- PC/PS PILE
- CIDH PILE

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. EXISTING BRIDGE AND UTILITY ARE APPROXIMATE.
3. EXISTING UNDERGROUND AND OVERHEAD UTILITIES TO BE DETERMINED.




**PLAN**
SCALE: 1"=30′-0"

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY H. LEE
DRAWN BY E. CISNEROS
CHECKED BY T. DUDLEY
IN CHARGE D. MINISTER
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

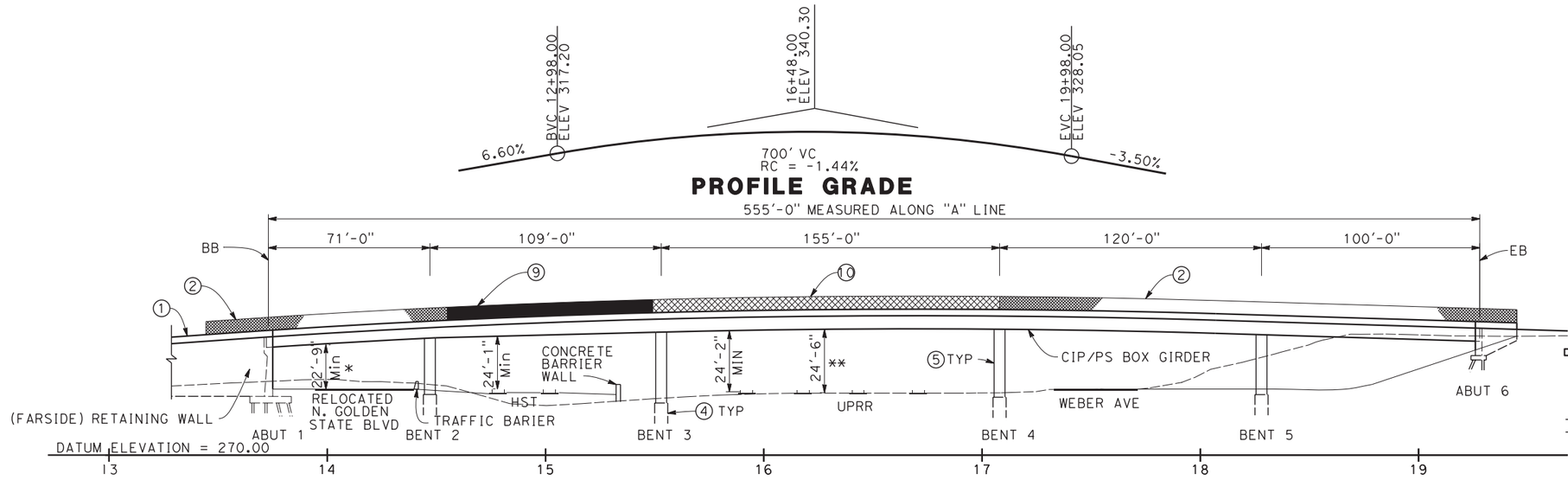
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Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
SHAW AVENUE OVERHEAD
FOUNDATION PLAN

CONTRACT NO.
DRAWING NO. ST-I1007
SCALE AS SHOWN
SHEET NO.

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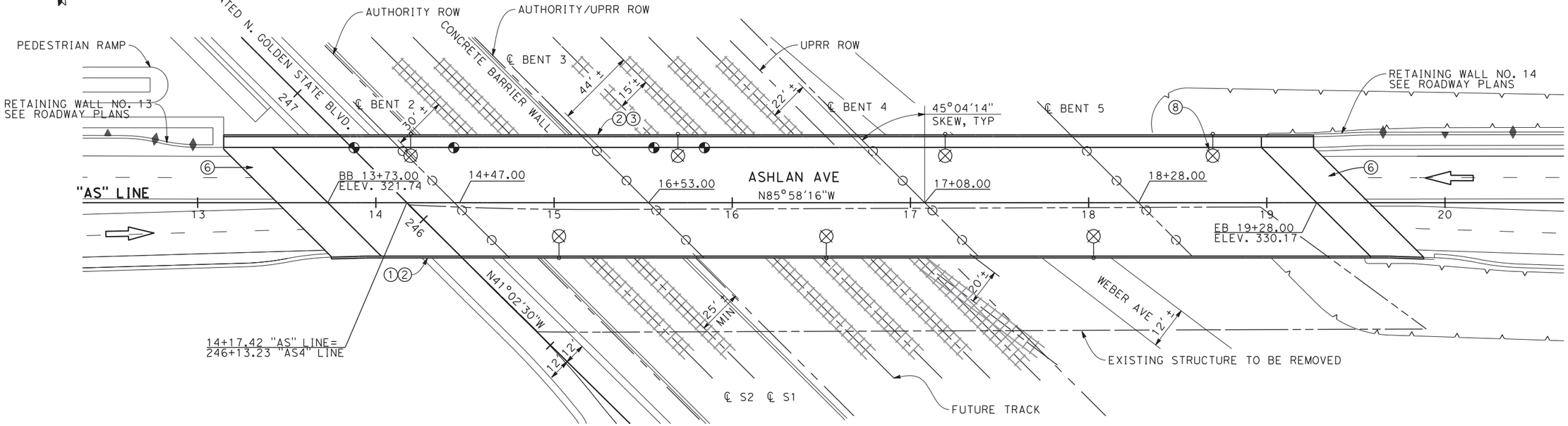



## PROFILE GRADE




## ELEVATION

SCALE: 1" = 30'




## PLAN

SCALE: 1" = 30'

### NOTES:

1. CONCRETE BARRIER (TYPE 26 MODIFIED)
2. CHAIN LINK RAILING (TYPE 7 MODIFIED)
3. CONCRETE BARRIER (TYPE 736 MODIFIED)
4. 6'-0" DIA CIDH PILE
5. 5'-6" DIA COLUMN
6. STRUCTURE APPROACH, TYPE N(30S)
7. EXISTING UPRR ROW TO BE CONFIRMED ON SITE
8. ELECTROLIERS
9. AR FENCE WITH SOLID PLATE
10. AR FENCE

### LEGEND:

- INDICATES DIRECTION OF TRAFFIC
- INDICATES APPROXIMATE POINT OF MINIMUM VERTICAL CLEARANCE
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK
- * TEMPORARY FALSEWORK CLEARANCE = 20'-10" FALSEWORK DEPTH = 1'-10 1/2"
- ** TEMPORARY FALSEWORK CLEARANCE = 21'-2" FALSEWORK DEPTH = 3'-5"

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY D. FREDERICKS
DRAWN BY P. WALKER
CHECKED BY H. STRANDGAARD
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

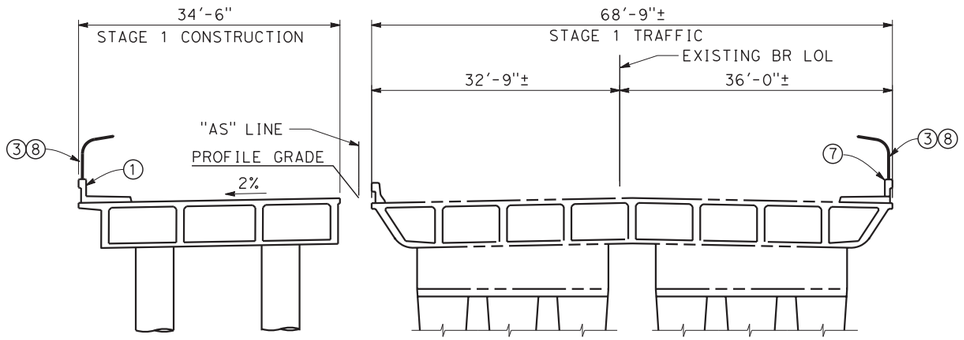
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

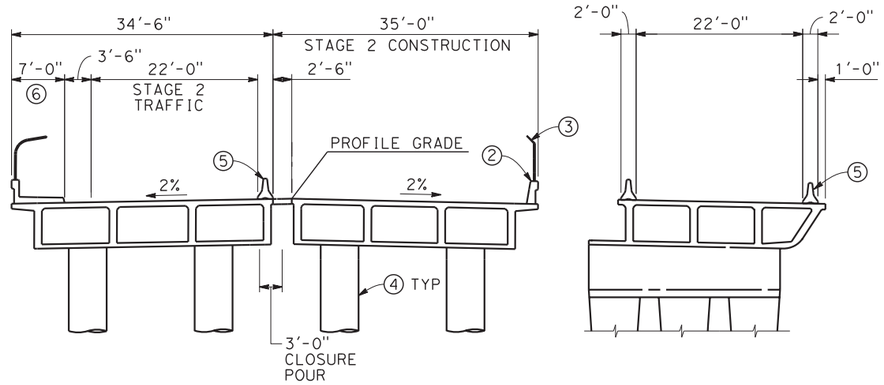
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## MERCED TO FRESNO
PACKAGE 1A
ROADWAY
ASHLAN AVE OVERHEAD
GENERAL PLAN

CONTRACT NO.
DRAWING NO. ST-11008
SCALE AS SHOWN
SHEET NO.

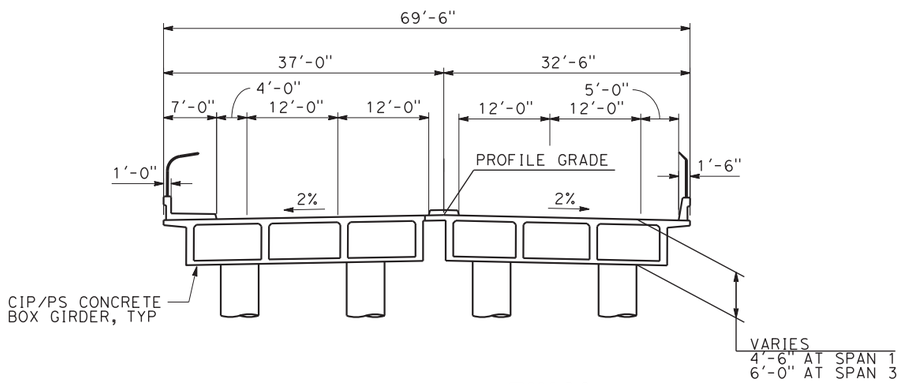
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pwalker




**STAGE 1**
SCALE: 1"=10'




**STAGE 2**
SCALE: 1"=10'




**FINAL**
SCALE: 1"=10'

## NOTES:

① CONCRETE BARRIER (TYPE 26 MODIFIED)
② CONCRETE BARRIER (TYPE 736 MODIFIED)
③ CHAIN LINK RAILING (TYPE 7 MODIFIED)
④ 5'-6" DIA CONCRETE COLUMN
⑤ TEMPORARY RAILING TYPE K
⑥ PEDESTRIAN WALKWAY
⑦ EXISTING BARRIER
⑧ AR FENCE

## STAGING NOTES:

STAGE 1:

CONSTRUCT NORTH PORTION OF ASHLAN OVERHEAD.

STAGE 2:

SHIFT ASHLAN AVE WB TRAFFIC TO NEWLY CONSTRUCTED NORTH PORTION OF OVERHEAD.

REMOVE NORTH PORTION OF EXISTING OVERHEAD.

CONSTRUCT SOUTH PORTION OF OVERHEAD.

FINAL STAGE:

SHIFT EB TRAFFIC TO NEW OVERHEAD.

REMOVE REMAINING SOUTH PORTION OF EXISTING OVERHEAD.

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY D. FREDERICKS
DRAWN BY P. WALKER
CHECKED BY H. STRANDGAARD
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**MERCED TO FRESNO**
PACKAGE 1A
ROADWAY
ASHLAN AVE OVERHEAD
TYPICAL SECTION

CONTRACT NO.
DRAWING NO. ST-I1009
SCALE AS SHOWN
SHEET NO.

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PILE DATA TABLE (PRELIMINARY)

| LOCATION | PILE TYPE | NOMINAL RESISTANCE (kips) | | APPROXIMATE PILE CUT-OFF ELEV. (FT) | APPROXIMATE DESIGN TIP ELEV. (FT) | EMBEDDED PILE LENGTH (FT) |
|---|---|---|---|---|---|---|
| | | COMPRESSION | TENSION | | | |
| ABUTMENT 1 | CLASS 140 ALT. "X" | 280 | 0 | 293.00± | TBD | TBD |
| BENT 2 | 6' DIA. CIDH | 2200 | 0 | 296.00± | TBD | TBD |
| BENT 3 | 6' DIA. CIDH | 2670 | 0 | 293.00± | TBD | TBD |
| BENT 4 | 6' DIA. CIDH | 2770 | 0 | 296.00± | TBD | TBD |
| BENT 5 | 6' DIA. CIDH | 2510 | 0 | 296.00± | TBD | TBD |
| ABUTMENT 6 | CLASS 140 ALT. "X" | 280 | 0 | 313.00± | TBD | TBD |

NOTE: DESIGN TIP ELEVATIONS ARE TO BE DETERMINED BY CONTRACTOR

**LEGEND:**

XXX.XX — INDICATES BOTTOM OF FOOTING ELEVATION

○ — INDICATES NEW PILE

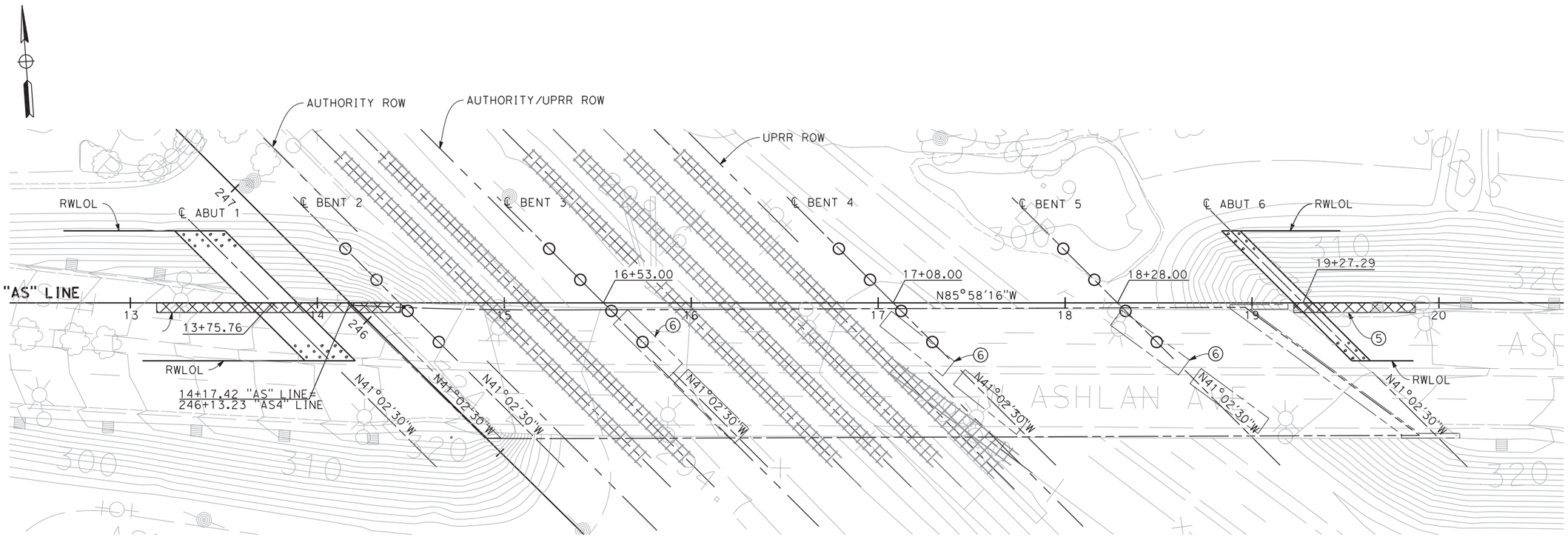
○ — INDICATES NEW BATTER PILE

◯ — INDICATES CIDH PILE

— — — — INDICATES EXISTING STRUCTURE

**NOTES:**

1. EXISTING BRIDGE, SUBSTRUCTURE, AND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY CONTROLLING DIMENSIONS PRIOR TO CONSTRUCTION.
2. EXISTING UNDERGROUND AND OVERHEAD UTILITIES TO BE DETERMINED AND RELOCATED AS NEEDED PRIOR CONSTRUCTION.
3. RIGHT OF WAY LIMITS ARE APPROXIMATE AND TO BE CONFIRMED BY THE CONTRACTOR.
4. REMOVE EXISTING SUBSTRUCTURE 2' MINIMUM BELOW FINISHED GRADE.
5. TEMPORARY SHORING
6. EXISTING SPREAD FOOTINGS




**PLAN**

SCALE: 1" = 30'

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY D. FREDERICKS
DRAWN BY P. WALKER
CHECKED BY H. STRANDGAARD
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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2020 L Street, Suite 300
Sacramento, CA 95811

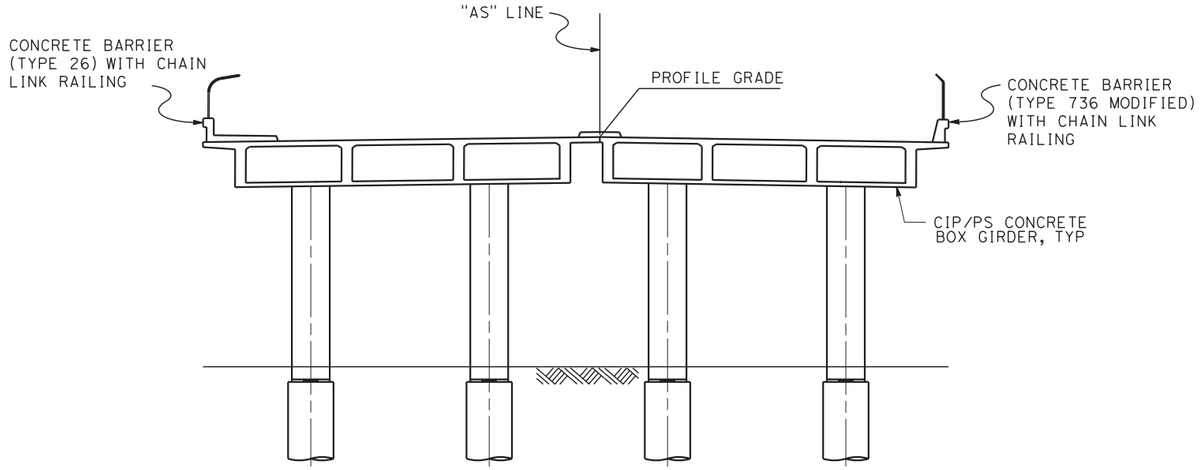
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**MERCED TO FRESNO**
PACKAGE 1A
ROADWAY
ASHLAN AVE OVERHEAD
FOUNDATION PLAN

CONTRACT NO.
DRAWING NO. ST-I1010
SCALE AS NOTED
SHEET NO.

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## BENT ELEVATION

SCALE: 1"=10'

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY D. FREDERICKS
DRAWN BY M. MIYAMOTO
CHECKED BY H. STRANDGAARD
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

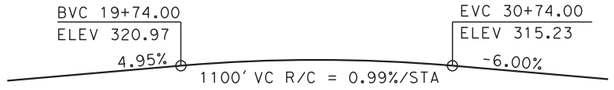
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

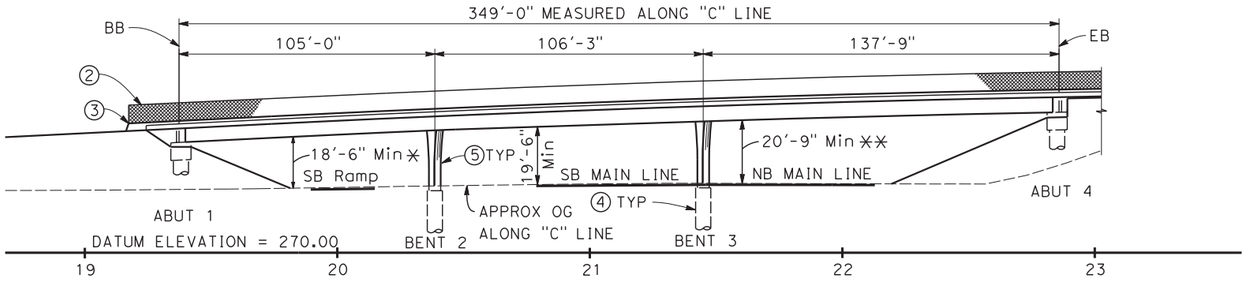
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**MERCED TO FRESNO**
PACKAGE 1A
ROADWAY
ASHLAN AVE OVERHEAD
BENT ELEVATION

CONTRACT NO.
DRAWING NO. ST-I1011
SCALE AS SHOWN
SHEET NO.

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## PROFILE GRADE
NO SCALE




## ELEVATION
SCALE: 1"=30'

NOTES:

① CONCRETE BARRIER (TYPE 26 MODIFIED)

② CHAIN LINK RAILING (TYPE 7 MODIFIED)

③ CONCRETE BARRIER (TYPE 736 MODIFIED)

④ 6'-0" DIA CIDH PILE

⑤ 4' X 6' OBLONG COLUMN

⑥ STRUCTURE APPROACH, TYPE N(30S)

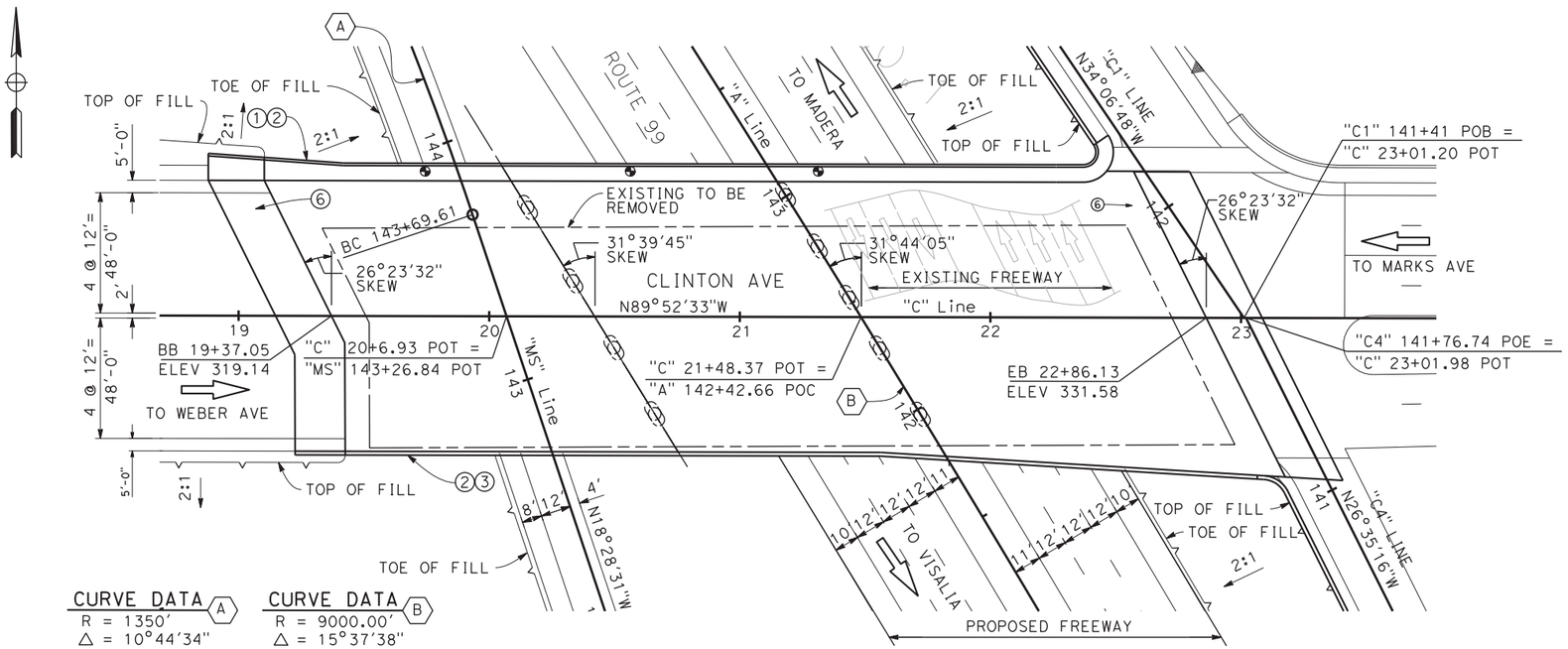
✳ TEMPORARY FALSEWORK CLEARANCE = 16'-6" FALSEWORK DEPTH = 2'-0"

✳✳ TEMPORARY FALSEWORK CLEARANCE = 17'-6" FALSEWORK DEPTH = 3'-3"

LEGEND:

INDICATES DIRECTION OF TRAFFIC

INDICATES APPROXIMATE POINT OF MINIMUM VERTICAL CLEARANCE




CURVE DATA (A)
R = 1350'
Δ = 10°44'34"
L = 253.12'
T = 126.93'

CURVE DATA (B)
R = 9000.00'
Δ = 15°37'38"
L = 2454.73'
T = 1235.03

## PLAN
SCALE: 1"=30'

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY D. FREDERICKS
DRAWN BY P. WALKER
CHECKED BY H. STRANDGAARD
IN CHARGE F. NOBARI
DATE 12/08/11

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**MERCED TO FRESNO**
PACKAGE 1A
ROADWAY
CLINTON AVE OVERCROSSING
GENERAL PLAN

CONTRACT NO.
DRAWING NO. ST-I1012
SCALE AS SHOWN
SHEET NO.

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## STAGING NOTES:

STAGE 1:

SHIFT CLINTON AVE EB & WB TRAFFIC TO SOUTHERLY PORTION OF CLINTON AVE OC.

REMOVE NORTH PORTION OF CLINTON AVE OC.

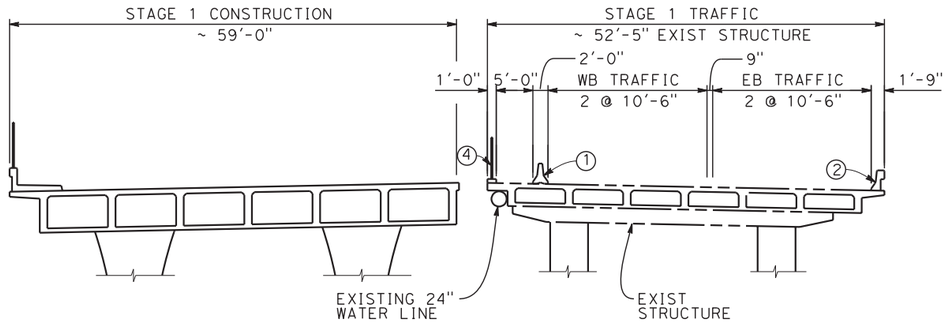
CONSTRUCT NORTH PORTION OF CLINTON AVE OC.

STAGE 2:

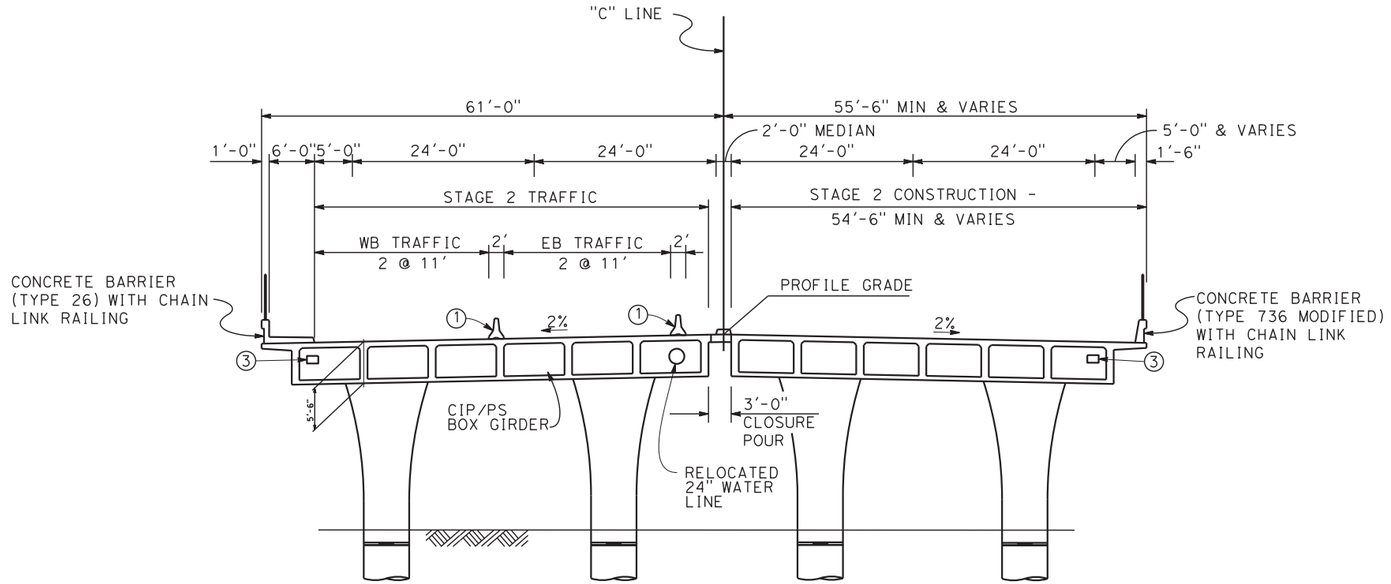
SHIFT CLINTON AVE EB & WB TRAFFIC TO NEWLY CONSTRUCTED CLINTON AVE OC.
REMOVE REMAINING PORTION OF CLINTON AVE OC.

CONSTRUCT SOUTH PORTION OF CLINTON AVE OC.

PLACE CLOSURE POUR.




**STAGE CONSTRUCTION**
SCALE: 1"=10'




**TYPICAL SECTION**
SCALE: 1"=10'

1. TEMPORARY RAILING TYPE K
2. EXISTING BARRIER
3. FUTURE UTILITY OPENING
4. TEMPORARY CHAIN-LINK FENCE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY D. FREDERICKS
DRAWN BY P. WALKER
CHECKED BY H. STRANDGAARD
IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

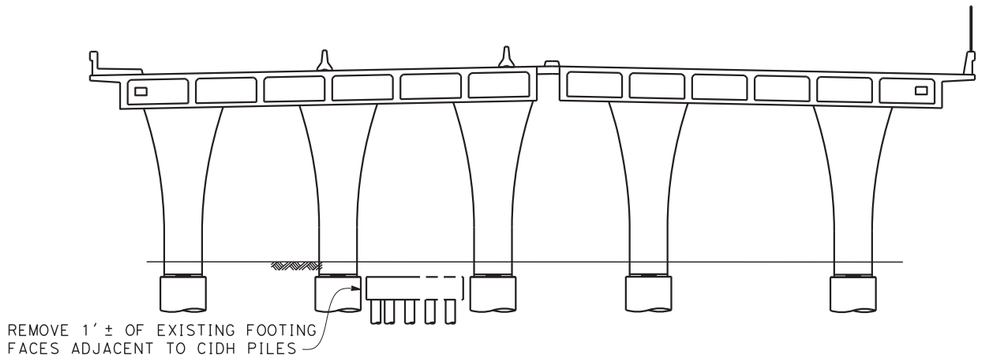

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2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL


CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**MERCED TO FRESNO**
PACKAGE 1A
ROADWAY
CLINTON AVE OVERCROSSING
TYPICAL SECTION

CONTRACT NO.
DRAWING NO. ST-I1013
SCALE AS SHOWN
SHEET NO.


pwalker 12/2/2011 2:28:57 PM CAHSRP-R1.TBL CHSR_half_black.plt C:\Users\pwalker\Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\X-1S-ST-K1009-R99.DGN



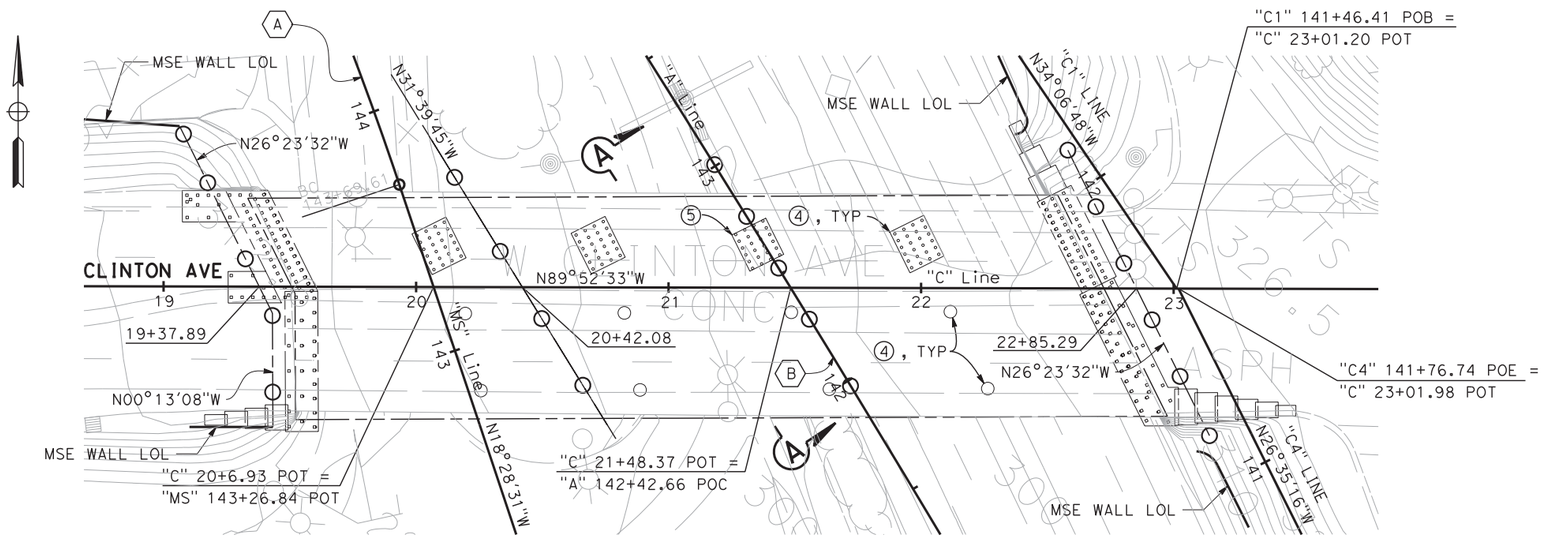

**SECTION A-A**
NO SCALE

LEGEND:

| | |
|---|---|
| XXX.XX | INDICATES BOTTOM OF FOOTING ELEVATION |
| ○ | INDICATES CIDH PILE |
| — — — | INDICATES EXISTING STRUCTURE |
| □ | INDICATES EXISTING PILE |
| ▱ | INDICATES EXISTING BATTER PILE |

NOTES:

1. EXISTING BRIDGE, SUBSTRUCTURE, AND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY CONTROLLING DIMENSIONS PRIOR TO CONSTRUCTION.
2. EXISTING UNDERGROUND AND OVERHEAD UTILITIES TO BE DETERMINED, AND RELOCATED AS NEEDED PRIOR TO CONSTRUCTION.
3. RIGHT OF WAY LIMITS ARE APPROXIMATE AND TO BE CONFIRMED BY THE CONTRACTOR.
4. REMOVE EXISTING SUBSTRUCTURE 2' MINIMUM BELOW FINISHED GRADE.
5. PARTIAL REMOVAL OF EXISTING BENT 3 FOOTING




**PLAN**
SCALE: 1"=30'-0"

CURVE DATA (A)
R = 1350'
△ = 10°44'34"
L = 253.12'
T = 126.93'

CURVE DATA (B)
R = 9000.00'
△ = 15°37'38"
L = 2454.73'
T = 1235.03'

PILE DATA TABLE (PRELIMINARY)

| LOCATION | PILE TYPE | NOMINAL RESISTANCE (kips) | | APPROXIMATE PILE CUT-OFF ELEV. (FT) | APPROXIMATE DESIGN TIP ELEV. (FT) | EMBEDDED PILE LENGTH (FT) |
|---|---|---|---|---|---|---|
| | | COMPRESSION | TENSION | | | |
| ABUTMENT 1 | 6' DIA. CIDH | 2100 | 0 | 295.00± | TBD | TBD |
| BENT 2-3 | 6' DIA. CIDH | 4150 | 0 | 295.00± | TBD | TBD |
| ABUTMENT 4 | 6' DIA. CIDH | 2100 | 0 | 295.00± | TBD | TBD |

NOTE: DESIGN TIP ELEVATIONS ARE TO BE DETERMINED BY CONTRACTOR

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY D. FREDERICKS
DRAWN BY P. WALKER
CHECKED BY H. STRANDGAARD
IN CHARGE F. NOBARI
DATE 12/08/11

PROPOSED PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

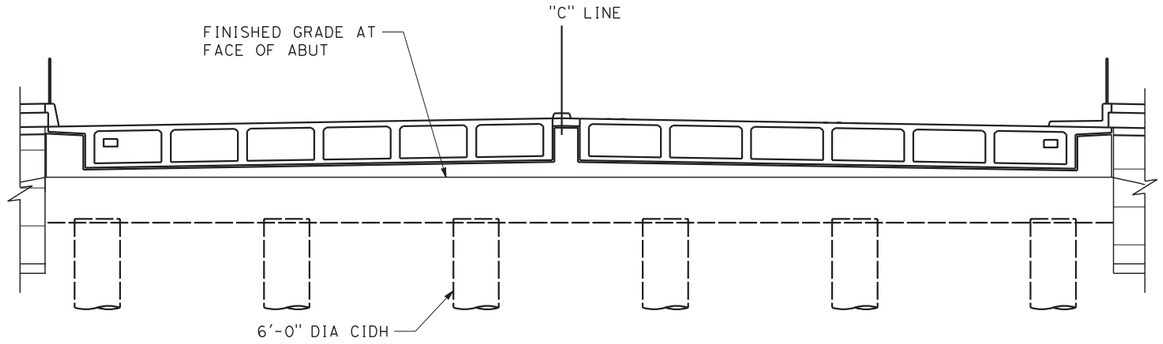
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

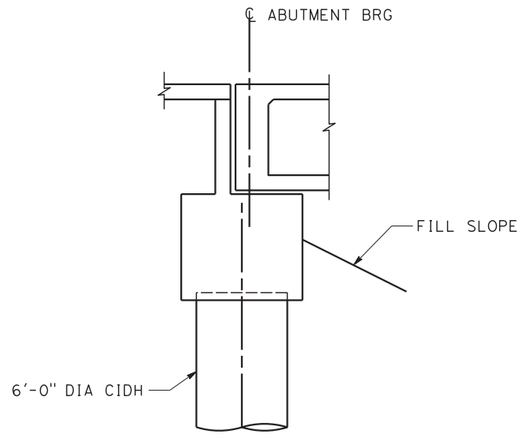
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**MERCED TO FRESNO**
PACKAGE 1A
ROADWAY
CLINTON AVE OVERCROSSING
FOUNDATION PLAN

CONTRACT NO.
DRAWING NO. ST-I1014
SCALE AS SHOWN
SHEET NO.

pwalker 12/2/2011 2:32:33 PM CAHSRP-R1.TBL CHSR_half_black.plt C:\Users\pwalker\Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\X-1S-ST-K1010-R99.DGN




**ABUTMENT ELEVATION**
SCALE: 1" = 10'




**ABUTMENT SECTION**
SCALE: 1" = 5'-0"

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

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DRAWN BY P. WALKER
CHECKED BY H. STRANDGAARD
IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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2020 L Street, Suite 300
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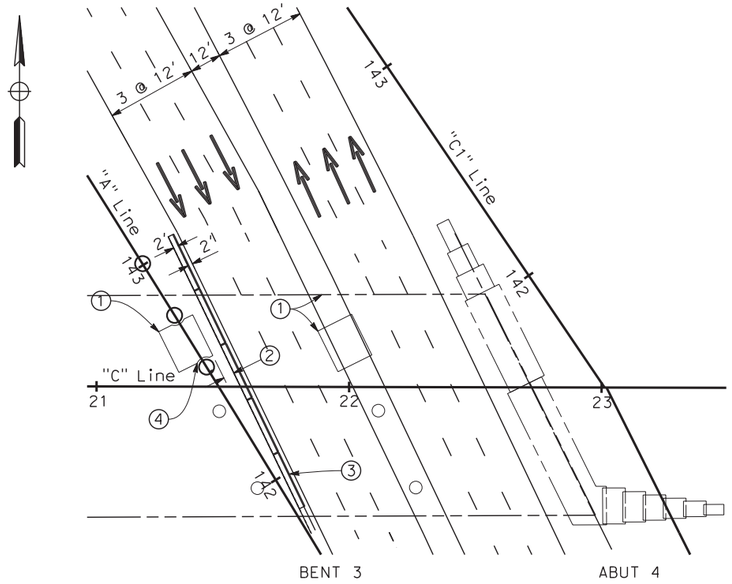
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**MERCED TO FRESNO**
PACKAGE 1A
ROADWAY
CLINTON AVE OVERCROSSING
CONSTRUCTION DETAIL NO. 1

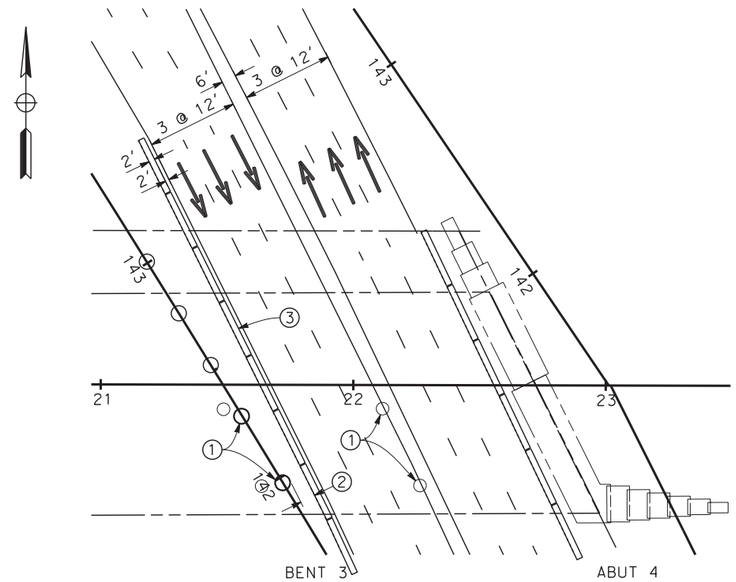
CONTRACT NO.
DRAWING NO. ST-I1015
SCALE AS SHOWN
SHEET NO.

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## STAGE 1 PLAN AT BENT 3

SCALE: 1"=30'




## STAGE 2 PLAN AT BENT 3

SCALE: 1"=30'

NOTES:

1. REMOVE SUPERSTRUCTURE, AND SUBSTRUCTURE TO 2' BELOW FG, DURING NIGHT CLOSURES
2. 6'-6" MINIMUM TO K-RAIL
3. TEMPORARY RAILING TYPE K
4. REMOVE PORTION OF EXISTING FOOTING

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: D. FREDERICKS
DRAWN BY: P. WALKER
CHECKED BY: H. STRANDGAARD
IN CHARGE: F. NOBARI
DATE: 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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2020 L Street, Suite 300
Sacramento, CA 95811

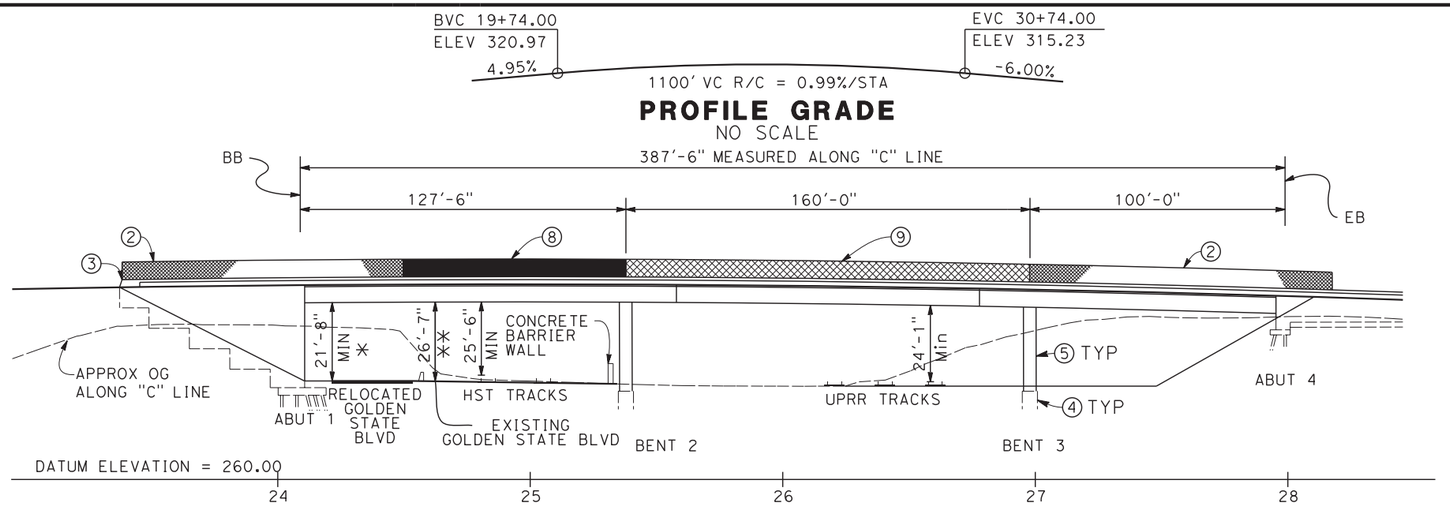
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## MERCED TO FRESNO
PACKAGE 1A
ROADWAY
CLINTON AVE OVERCROSSING
CONSTRUCTION DETAIL NO. 2

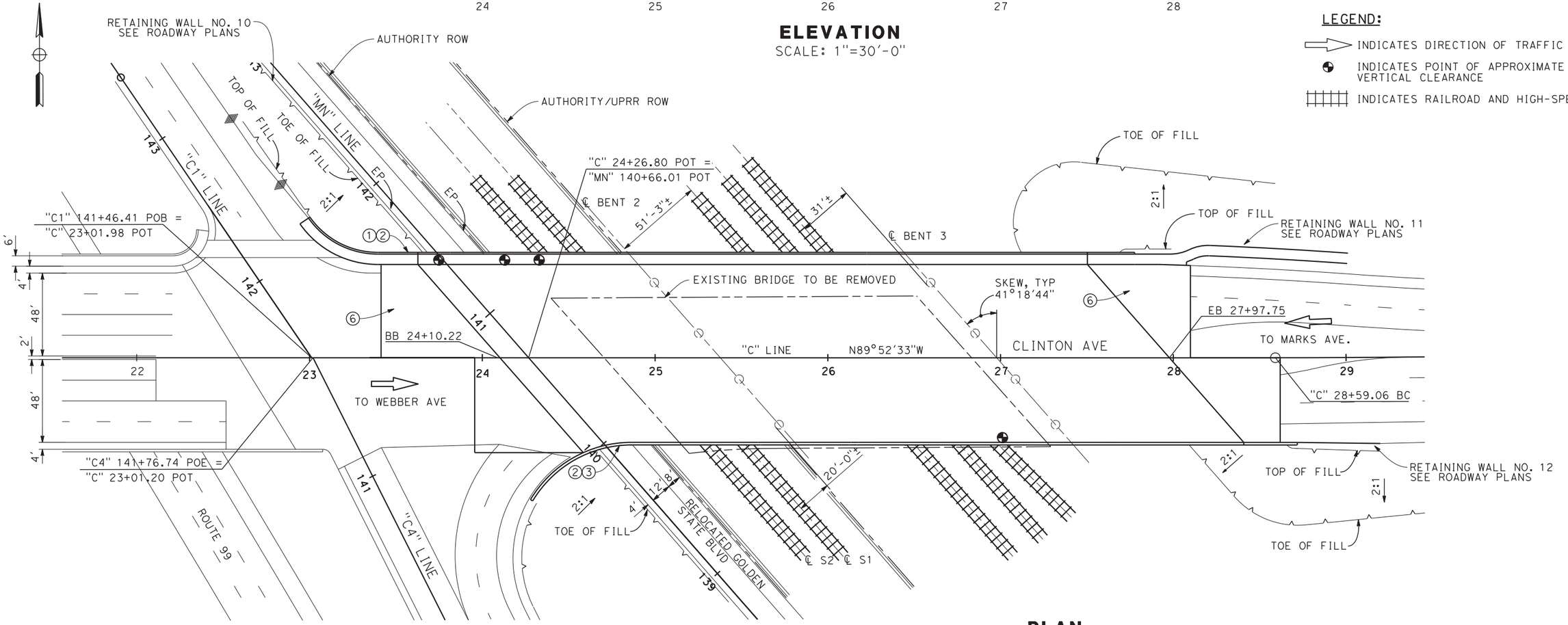
CONTRACT NO.
DRAWING NO. ST-I1016
SCALE AS SHOWN
SHEET NO.

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## PROFILE GRADE
NO SCALE

## ELEVATION
SCALE: 1"=30'-0"




## PLAN
SCALE: 1"=30'-0"

### NOTES:

1. CONCRETE BARRIER (TYPE 26 MODIFIED)
2. CHAIN LINK RAILING (TYPE 7 MODIFIED)
3. CONCRETE BARRIER (TYPE 736 MODIFIED)
4. 6'-0" DIA CIDH PILE
5. 5'-6" DIA COLUMN
6. STRUCTURE APPROACH, TYPE N(30S)
7. EXISTING UPRR ROW TO BE CONFIRMED ON SITE
8. AR FENCE WITH SOLID PLATE
9. AR FENCE

* TEMPORARY FALSEWORK CLEARANCE = 19'-9"
FALSEWORK DEPTH = 1'-10"

** TEMPORARY FALSEWORK CLEARANCE = 24'-8"
FALSEWORK DEPTH = 1'-10"

### LEGEND:

INDICATES DIRECTION OF TRAFFIC

INDICATES POINT OF APPROXIMATE MINIMUM VERTICAL CLEARANCE

INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: D. FREDERICKS
DRAWN BY: P. WALKER
CHECKED BY: H. STRANDGAARD
IN CHARGE: F. NOBARI
DATE: 2/17/12

**PROPOSED PRELIMINARY DESIGN**

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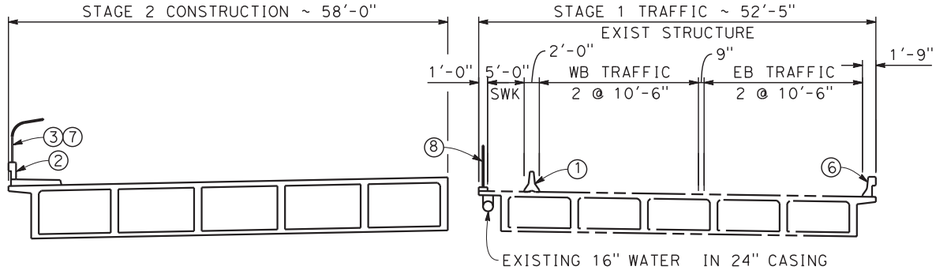
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

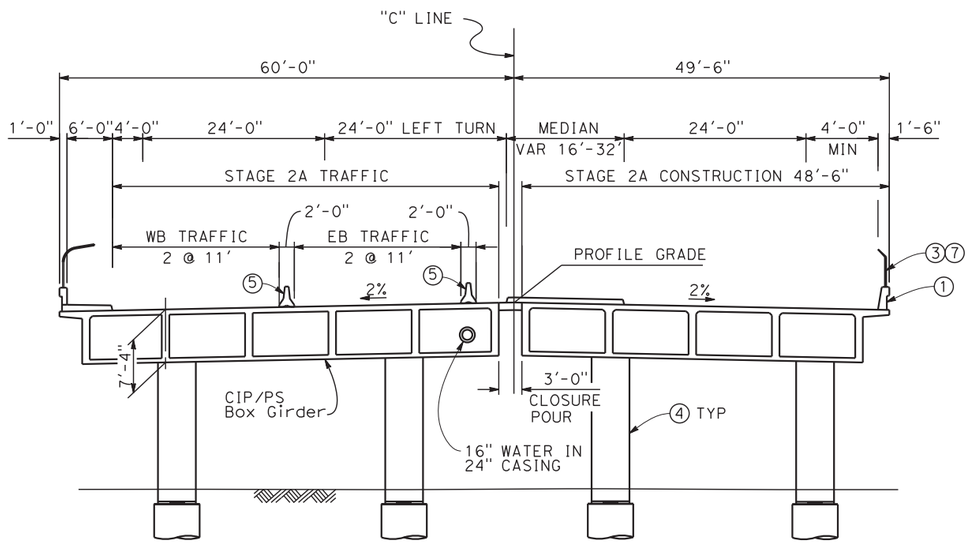
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## MERCED TO FRESNO
PACKAGE 1A
ROADWAY
FRESNO YARD OVERHEAD (CLINTON/UPRR)
GENERAL PLAN

CONTRACT NO.
DRAWING NO. ST-11017
SCALE AS SHOWN
SHEET NO.

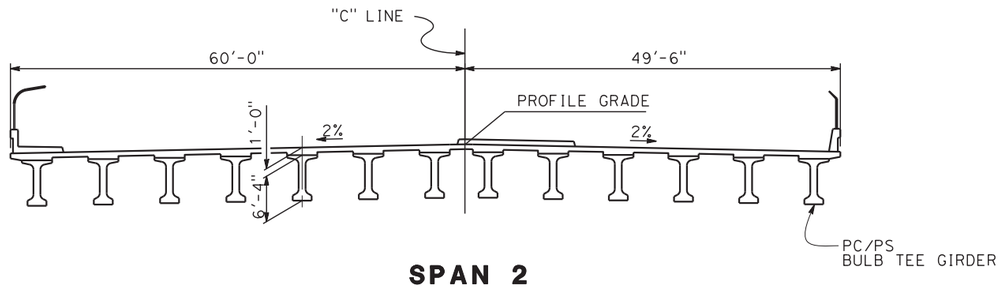
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**STAGE 1**
SCALE: 1"=10'-0"




**STAGE 2**
SCALE: 1"=10'-0"




**SPAN 2**
SCALE: 1"=10'-0"

## NOTES:

① CONCRETE BARRIER (TYPE 26 MODIFIED)
② CONCRETE BARRIER (TYPE 736 MODIFIED)
③ CHAIN LINK RAILING (TYPE 7 MODIFIED)
④ 5'-6" DIA COLUMN
⑤ TEMPORARY RAILING TYPE K
⑥ EXISTING BARRIER
⑦ AR FENCE
⑧ TEMPORARY CHAIN-LINK FENCE

## STAGING NOTES:

STAGE 1:

SHIFT CLINTON AVE EB & WB TRAFFIC TO SOUTHERLY PORTION OF FRESNO YARD OH.

REMOVE NORTH PORTION OF FRESNO YARD OH.

CONSTRUCT NORTH PORTION OF FRESNO YARD OH.

STAGE 2:

SHIFT CLINTON AVE EB & WB TRAFFIC TO NEWLY CONSTRUCTED FRESNO YARD OH.

REMOVE REMAINING PORTION OF FRESNO YARD OH.

CONSTRUCT SOUTH PORTION OF FRESNO YARD OH.

CLOSURE POUR.

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: D. FREDERICKS
DRAWN BY: P. WALKER
CHECKED BY: H. STRANDGAARD
IN CHARGE: F. NOBARI
DATE: 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## MERCED TO FRESNO
PACKAGE 1A
ROADWAY
FRESNO YARD OVERHEAD (CLINTON/UPRR)
TYPICAL SECTION

CONTRACT NO.
DRAWING NO. ST-I1018
SCALE AS SHOWN
SHEET NO.

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PILE DATA TABLE (PRELIMINARY)

| LOCATION | PILE TYPE | NOMINAL RESISTANCE (kips) | | APPROXIMATE PILE CUT-OFF ELEV. (FT) | APPROXIMATE DESIGN TIP ELEV. (FT) | EMBEDDED PILE LENGTH (FT) |
|---|---|---|---|---|---|---|
| | | COMPRESSION | TENSION | | | |
| ABUTMENT 1 | CLASS 140 ALT. "X" | 280 | 0 | 294.00± | TBD | TBD |
| BENT 2 | 6' DIA. CIDH | 6270 | 0 | 294.00± | TBD | TBD |
| BENT 3 | 6' DIA. CIDH | 5440 | 0 | 294.00± | TBD | TBD |
| ABUTMENT 4 | CLASS 140 ALT. "X" | 280 | 0 | 317.00± | TBD | TBD |

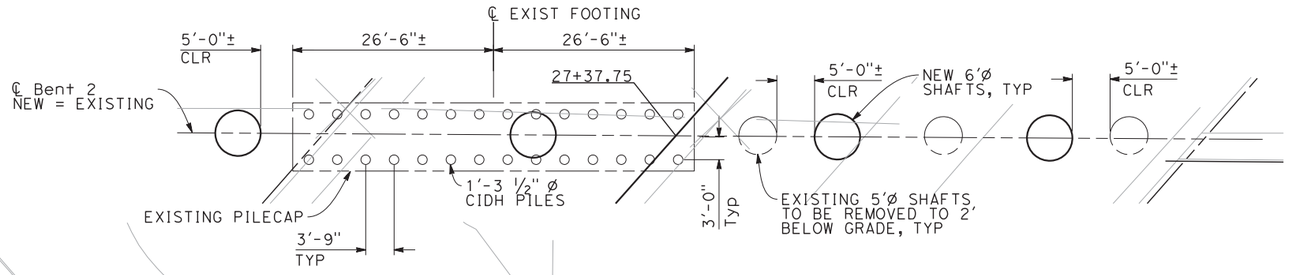
NOTE: DESIGN TIP ELEVATIONS ARE TO BE DETERMINED BY CONTRACTOR

LEGEND:

- XXX.XX — INDICATES BOTTOM OF FOOTING ELEVATION
- ○ — INDICATES NEW PILE
- ○ — INDICATES NEW BATTER PILE
- ◯ — INDICATES CIDH PILE
- – – – — INDICATES EXISTING STRUCTURE

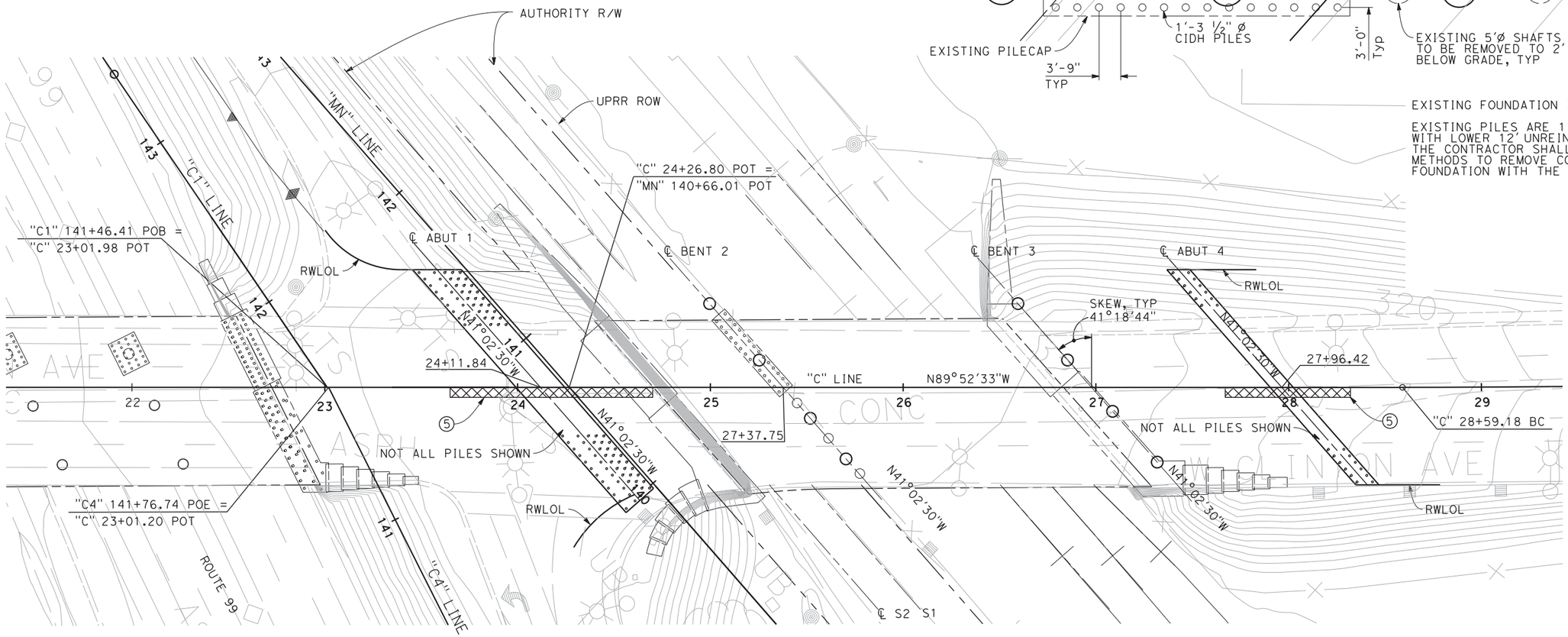
NOTES:

1. EXISTING BRIDGE SUBSTRUCTURE AND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY CONTROLLING DIMENSIONS PRIOR TO CONSTRUCTION.
2. EXISTING UNDERGROUND AND OVERHEAD UTILITIES TO BE DETERMINED AND RELOCATED AS NEEDED PRIOR CONSTRUCTION.
3. RIGHT OF WAY LIMITS ARE APPROXIMATE AND TO BE CONFIRMED BY THE CONTRACTOR.
4. REMOVE EXISTING SUBSTRUCTURE 2' MINIMUM BELOW FINISHED GRADE.
5. TEMPORARY SHORING




EXISTING FOUNDATION INFORMATION SHOWN IS APPROXIMATE.

EXISTING PILES ARE 1'-3 ½" CIDH PILES, 21' IN LENGTH, WITH LOWER 12' UNREINFORCED. IN ADVANCE OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL, PROPOSED METHODS TO REMOVE CONFLICTING PORTIONS OF THE EXISTING FOUNDATION WITH THE PROPOSED NEW FOUNDATION.




**PLAN**
SCALE: 1"=30'-0"

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY D. FREDERICKS
DRAWN BY P. WALKER
CHECKED BY H. STRANDGAARD
IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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Sacramento, CA 95811
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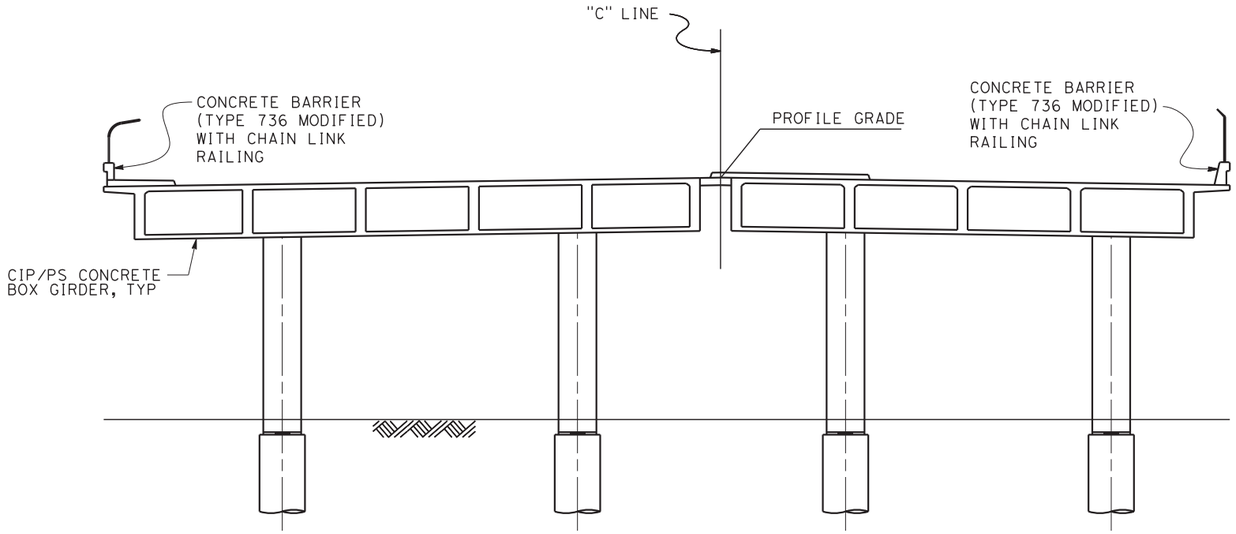
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**MERCED TO FRESNO**
PACKAGE 1A
ROADWAY
FRESNO YARD OVERHEAD (CLINTON/UPRR)
FOUNDATION PLAN

CONTRACT NO.
DRAWING NO. ST-I1019
SCALE AS SHOWN
SHEET NO.

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## BENT ELEVATION

SCALE: 1"=10'-0"

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

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DRAWN BY M. MIYAMOTO
CHECKED BY H. STRANDGAARD
IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

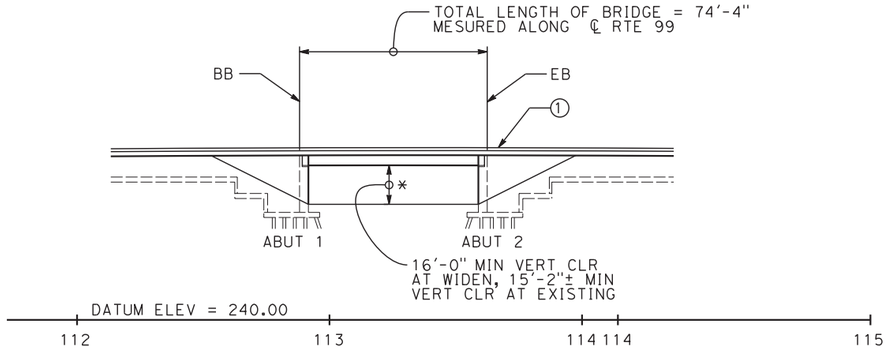
**NOT FOR CONSTRUCTION**

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Sacramento, CA 95811
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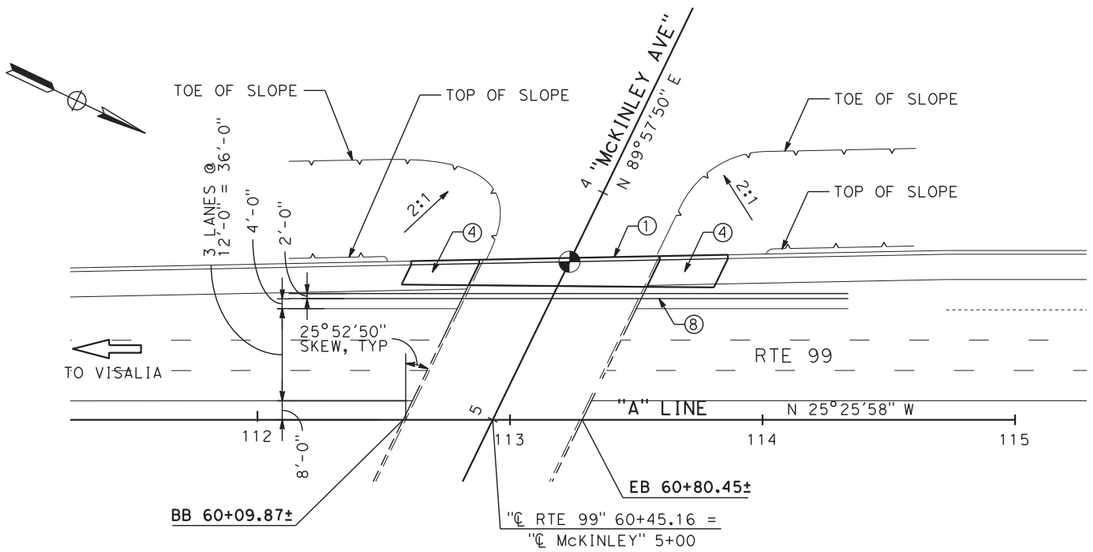
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**MERCED TO FRESNO**
PACKAGE 1A
ROADWAY
FRESNO YARD OVERHEAD (CLINTON/UPRR)
BENT ELEVATION

CONTRACT NO.
DRAWING NO. ST-11020
SCALE AS SHOWN
SHEET NO.




**MIRRORED ELEVATION**
SCALE: 1"=30'



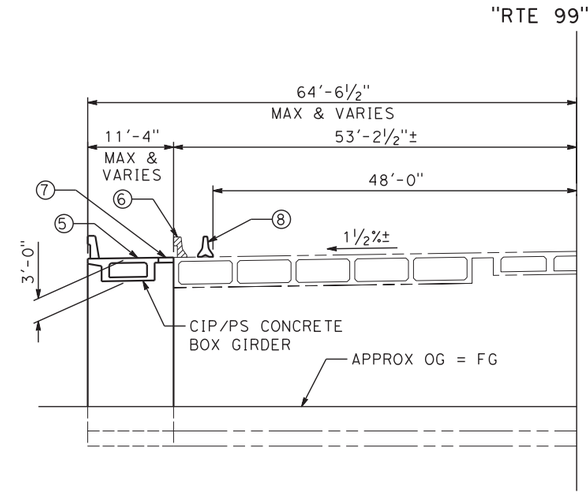

**PLAN**
SCALE: 1"=30'

## NOTES:

① CONCRETE BARRIER (TYPE 736 MODIFIED)
② FOR UTILITY INFORMATION, SEE UTILITY BASE MAP PLANS
③ PAINT "McKINLEY AVE UC" AMD "BR NO 43-181 R/L"
④ STRUCTURE APPROACH, TYPE N (305)
⑤ MATCH EXISTING GRADE AND X-SLOPE
⑥ REMOVE EXISTING RAILING
⑦ 2'-0" CLOSURE POUR
⑧ TEMPORARY RALING (TYPE K)
* STRUCTURE TO BE CAST ON FALSEWORK AND LOWERED INTO PLACE

## LEGEND:

INDICATES DIRECTION OF TRAFFIC
INDICATES APPROXIMATE POINT OF MIN VERTICAL CLEARANCE
INDICATES CLEARANCE LINE
INDICATES EXISTING STRUCTURE
INDICATES CONCRETE REMOVAL




**TYPICAL SECTION**
SCALE: 1"=10'

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY D. FREDERICKS
DRAWN BY M. MIYAMOTO
CHECKED BY H. STRANDGAARD
IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

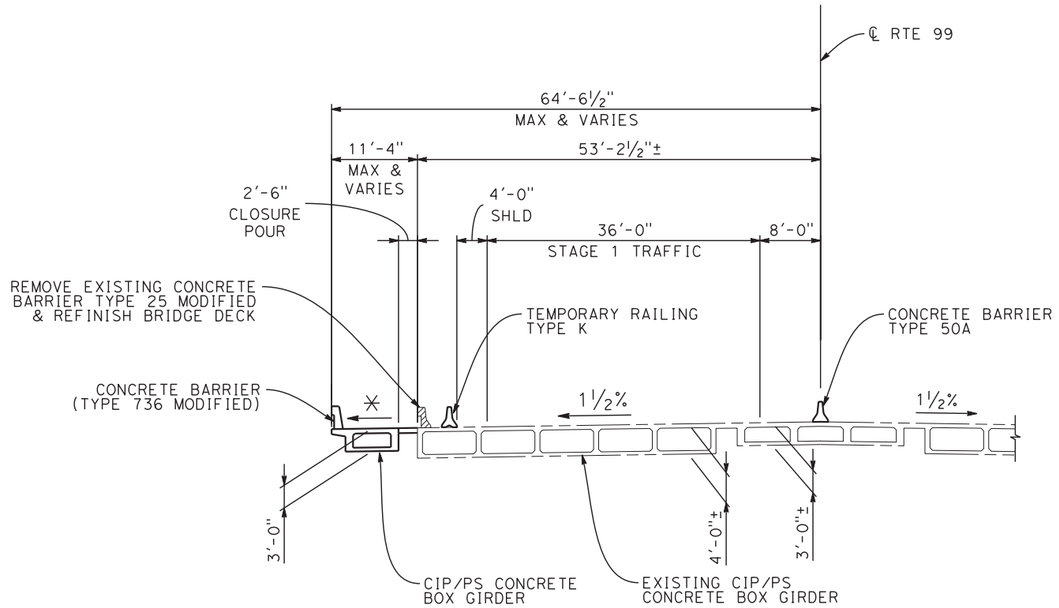
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**MERCED TO FRESNO**
PACKAGE 1A
ROADWAY
MCKINLEY BLVD UNDERCROSSING (WIDEN)
GENERAL PLAN

CONTRACT NO.
DRAWING NO. ST-I1021
SCALE AS SHOWN
SHEET NO.

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NOTES:

* MATCH EXISTING GRADE AND X-SLOPE

## TYPICAL SECTION
SCALE: 1" = 10'-0"

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY D. FREDERICKS
DRAWN BY M. MIYAMOTO
CHECKED BY H. STRANDGAARD
IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**MERCED TO FRESNO**
PACKAGE 1A
ROADWAY
MCKINLEY BLVD UNDERCROSSING (WIDEN)
TYPICAL SECTION

CONTRACT NO.
DRAWING NO. ST-I1022
SCALE AS SHOWN
SHEET NO.

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PILE DATA TABLE (PRELIMINARY)

| LOCATION | PILE TYPE | NOMINAL RESISTANCE (kips) | | APPROXIMATE PILE CUT-OFF ELEV. (FT) | APPROXIMATE DESIGN TIP ELEV. (FT) | EMBEDDED PILE LENGTH (FT) |
|---|---|---|---|---|---|---|
| | | COMPRESSION | TENSION | | | |
| ABUTMENT 1 | CLASS 140 ALT. "X" | 280 | 0 | N/A | TBD | TBD |
| ABUTMENT 2 | CLASS 140 ALT. "X" | 280 | 0 | N/A | TBD | TBD |

NOTE: DESIGN TIP ELEVATIONS ARE TO BE DETERMINED BY CONTRACTOR

**LEGEND:**

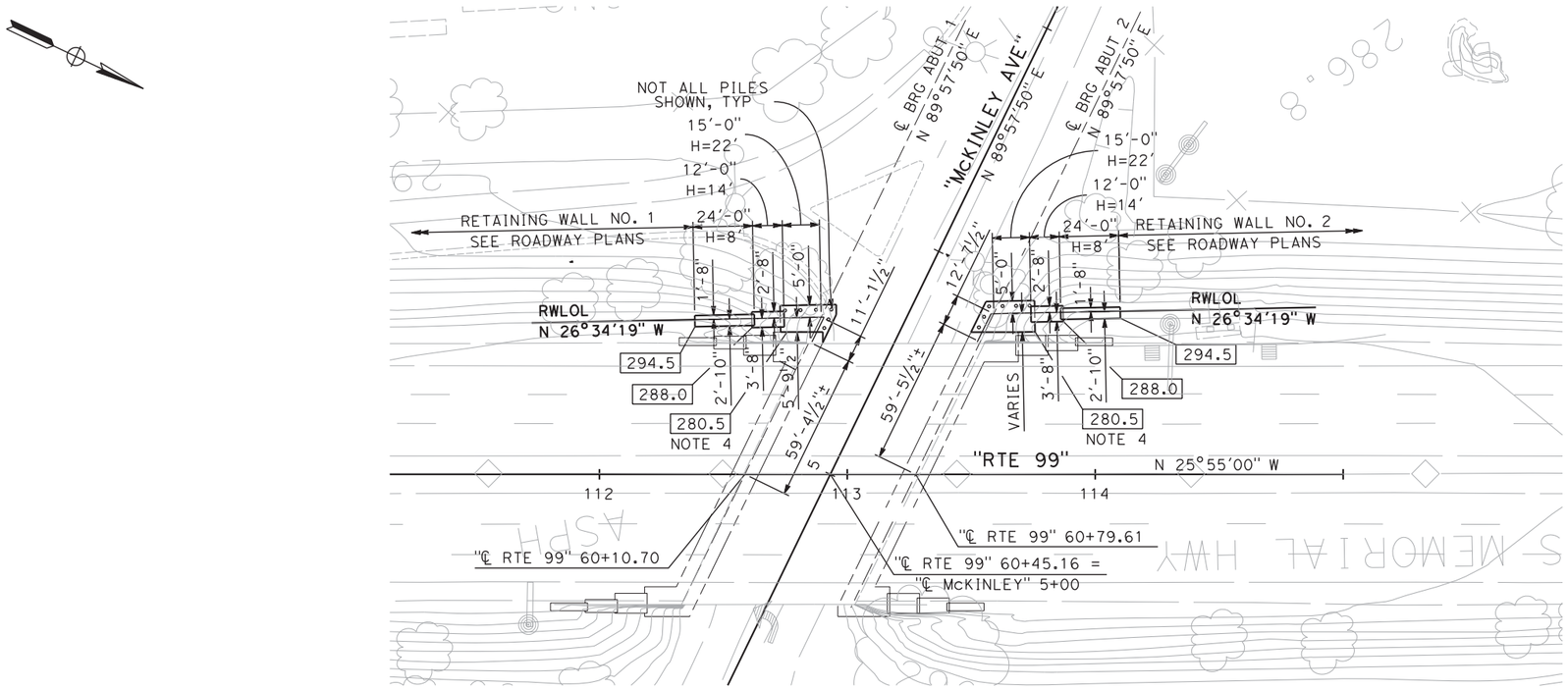
INDICATES BOTTOM OF FOOTING ELEVATION

INDICATES PC/PS PILE

INDICATES EXISTING STRUCTURE

**NOTES:**

1. EXISTING BRIDGE, SUBSTRUCTURE, AND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY CONTROLLING DIMENSIONS PRIOR TO CONSTRUCTION.
2. EXISTING UNDERGROUND AND OVERHEAD UTILITIES TO BE DETERMINED AND RELOCATED AS NEEDED PRIOR TO CONSTRUCTION.
3. RIGHT OF WAY LIMITS ARE APPROXIMATE AND TO BE CONFIRMED BY THE CONTRACTOR
4. MATCH EXISTING FOOTING ELEVATION




## PLAN
SCALE: 1"=30'

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: D. FREDERICKS
DRAWN BY: M. MIYAMOTO
CHECKED BY: H. STRANDGAARD
IN CHARGE: F. NOBARI
DATE: 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

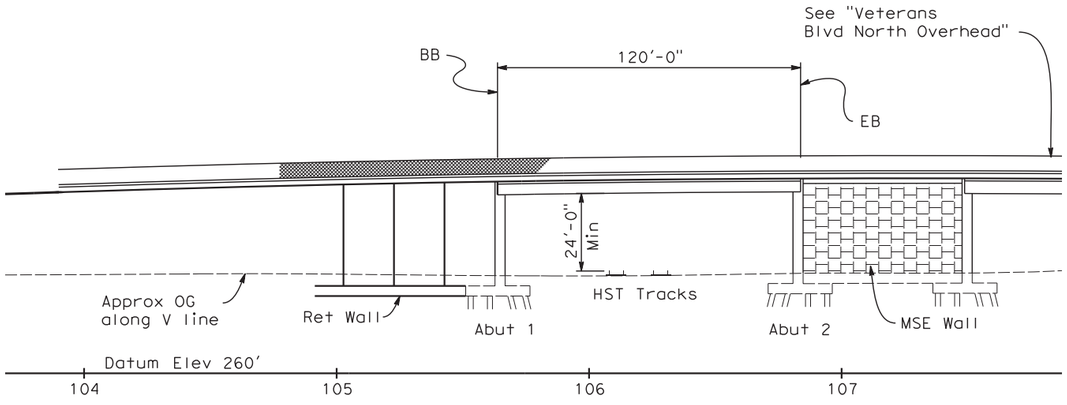
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

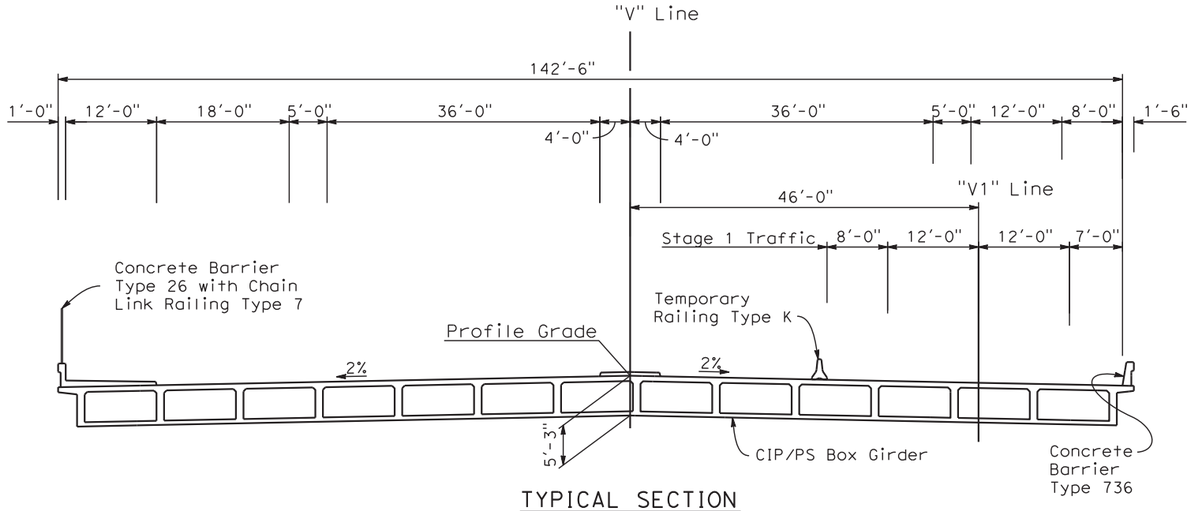
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**MERCED TO FRESNO**
PACKAGE 1A
ROADWAY
MCKINLEY BLVD UNDERCROSSING (WIDEN)
FOUNDATION PLAN

CONTRACT NO.
DRAWING NO. ST-11023
SCALE AS SHOWN
SHEET NO.

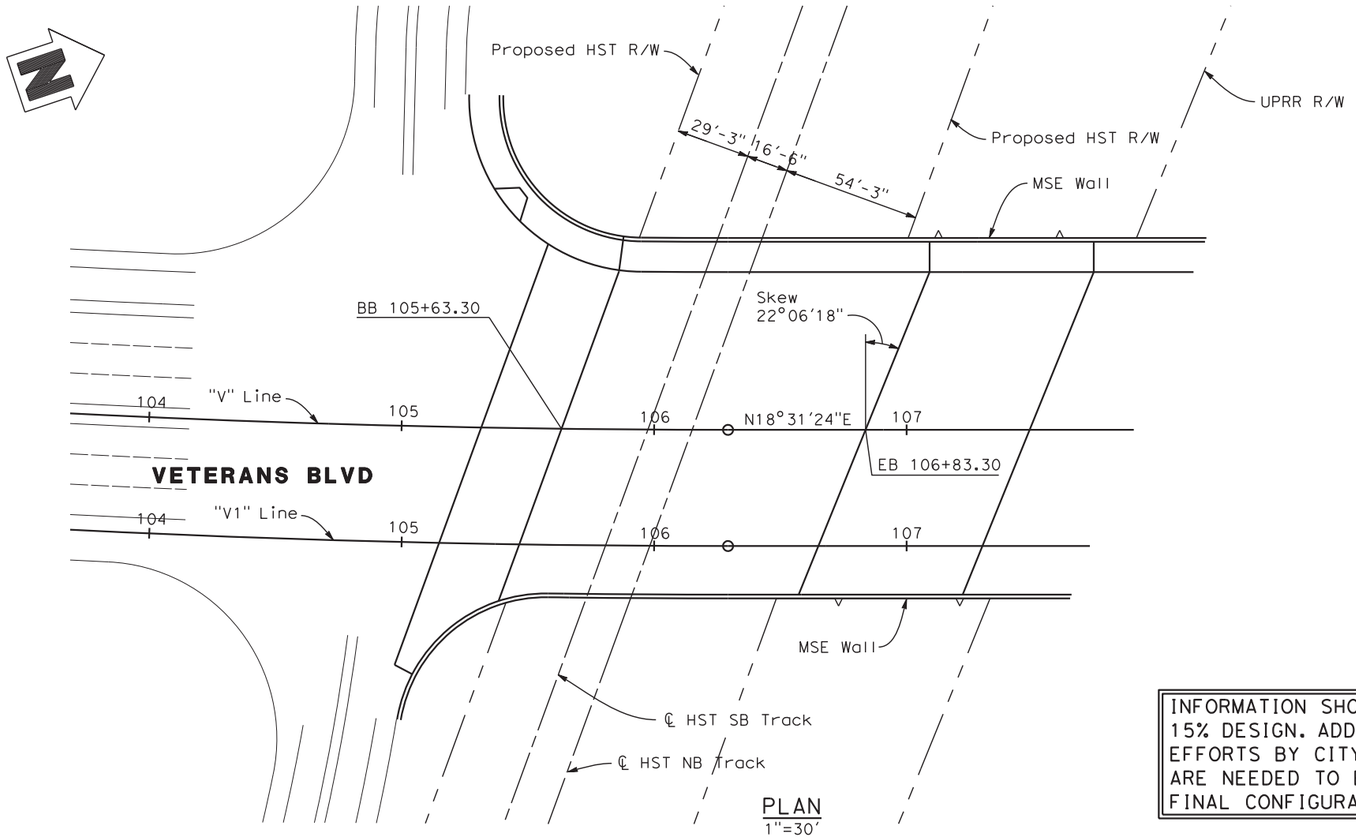
pwalker 12/2/2011 3:06:24 PM CAHSRP-R1.TBL CHSR_half_black.plt C:\Users\pwalker\Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\X-1S-ST-K1019-R99.DGN




ELEVATION
1"=30'




TYPICAL SECTION
1"=10'




PLAN
1"=30'

INFORMATION SHOWN IS BASED ON 15% DESIGN. ADDITIONAL DESIGN EFFORTS BY CITY OF FRESNO ARE NEEDED TO ESTABLISH THE FINAL CONFIGURATION.

| | |
|---|---|
| DATE OF ESTIMATE | = 04-13-2011 |
| BRIDGE REMOVAL | = - |
| STRUCTURE DEPTH | = 5'-3" |
| LENGTH | = 120'-0" |
| WIDTH | = 142'-6" |
| AREA | = 17,100 $ft^2$ |
| $COST/ft^2$ INCLUDING 10% MOBILIZATION & 25% CONTINGENCY | = $ 175/$ft^2$ |
| TOTAL COST | = $ 2,993,000 |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY
DRAWN BY
CHECKED BY
IN CHARGE
DATE 12/08/11

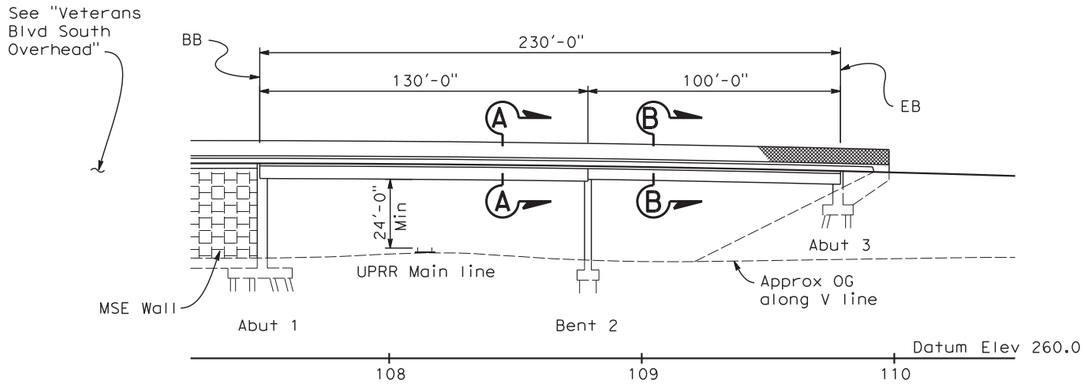
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

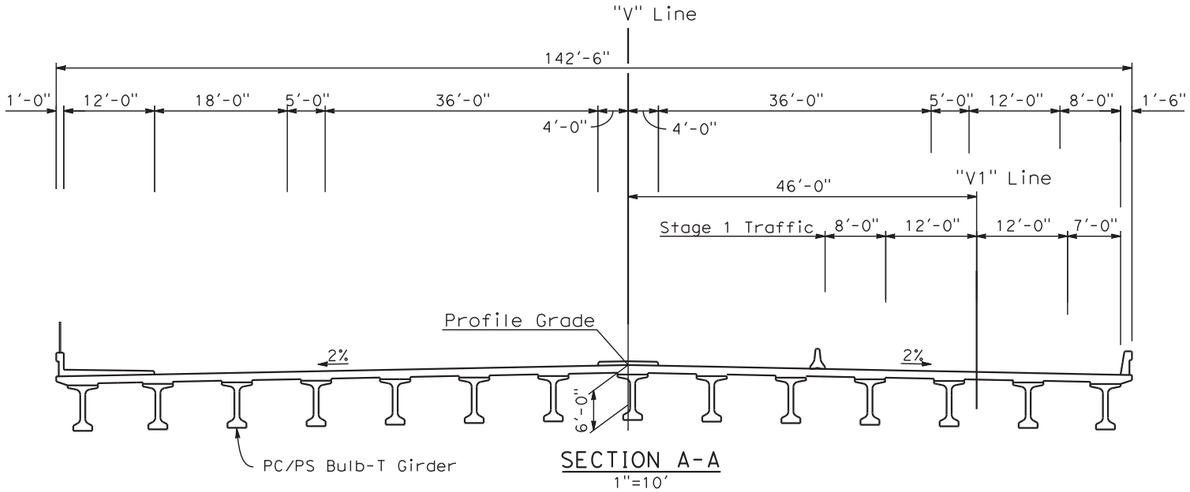
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
VETERANS BOULEVARD OVERHEAD
DRAFT GENERAL PLAN

CONTRACT NO.
DRAWING NO. ST-I1024
SCALE AS SHOWN
SHEET NO.

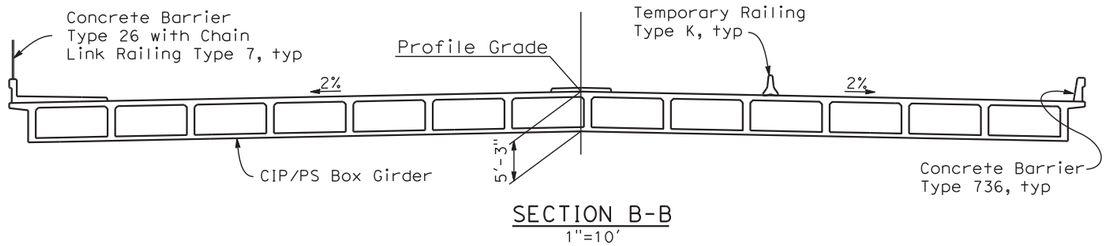
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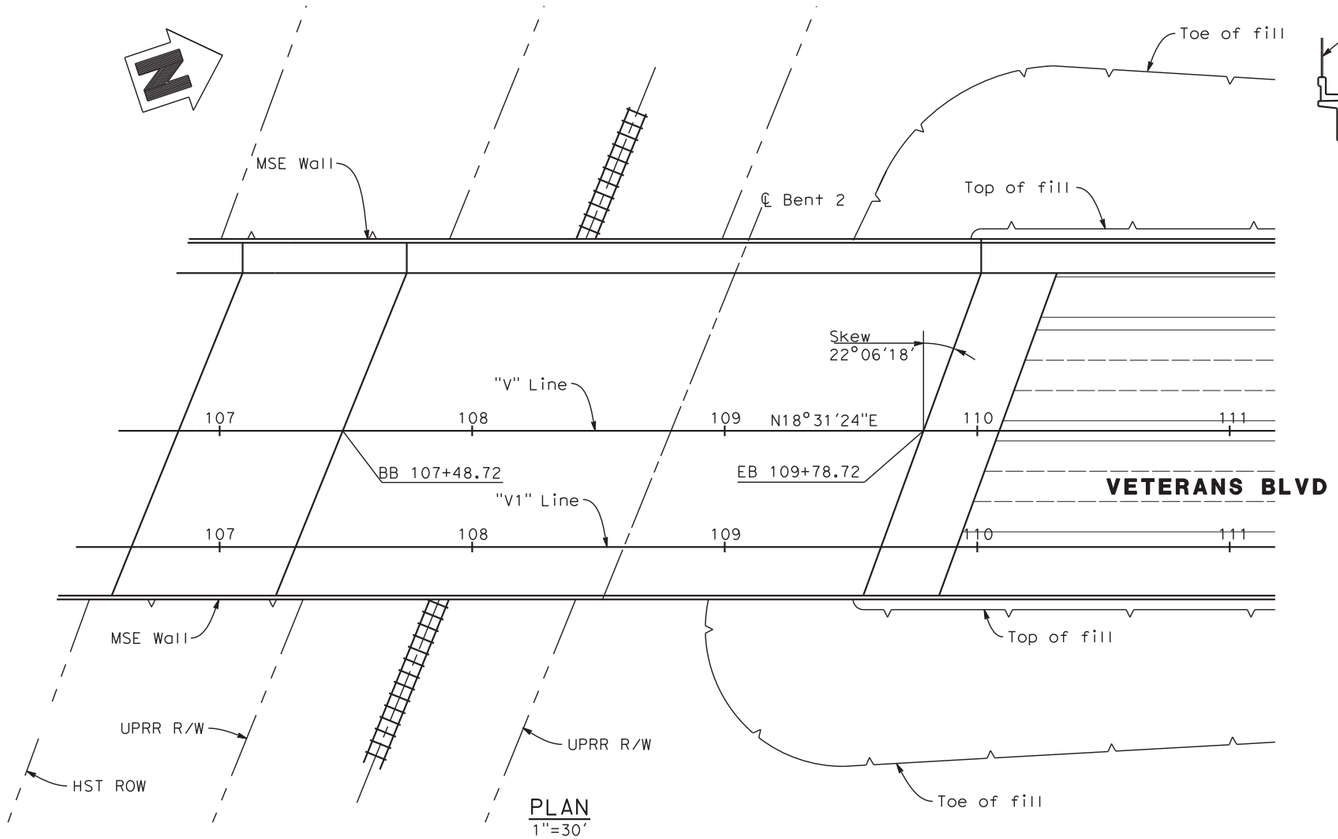

ELEVATION
1"=30'




SECTION A-A
1"=10'




SECTION B-B
1"=10'




PLAN
1"=30'

INFORMATION SHOWN IS BASED ON 15% DESIGN. ADDITIONAL DESIGN EFFORTS BY CITY OF FRESNO ARE NEEDED TO ESTABLISH THE FINAL CONFIGURATION.

| | | |
|---|---|---|
| DATE OF ESTIMATE | = | 04-13-2011 |
| BRIDGE REMOVAL | = | - |
| STRUCTURE DEPTH | = | 5'-3" TO 6'-0" |
| LENGTH | = | 230'-0" |
| WIDTH | = | 142'-6" |
| AREA | = | 32,775 $ft^2$ |
| $COST/ft^2$ INCLUDING 10% MOBILIZATION & 25% CONTINGENCY | = | \$ 175/$ft^2$ |
| TOTAL COST | = | \$ 5,736,000 |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY
DRAWN BY
CHECKED BY
IN CHARGE
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

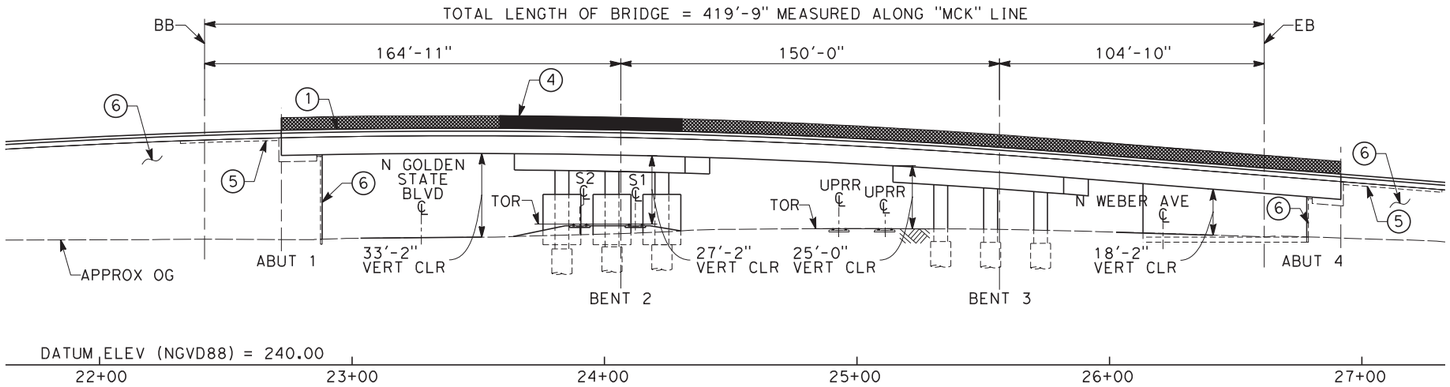
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
VETERANS BOULEVARD OVERHEAD
DRAFT GENERAL PLAN

CONTRACT NO.
DRAWING NO. ST-I1025
SCALE AS SHOWN
SHEET NO.

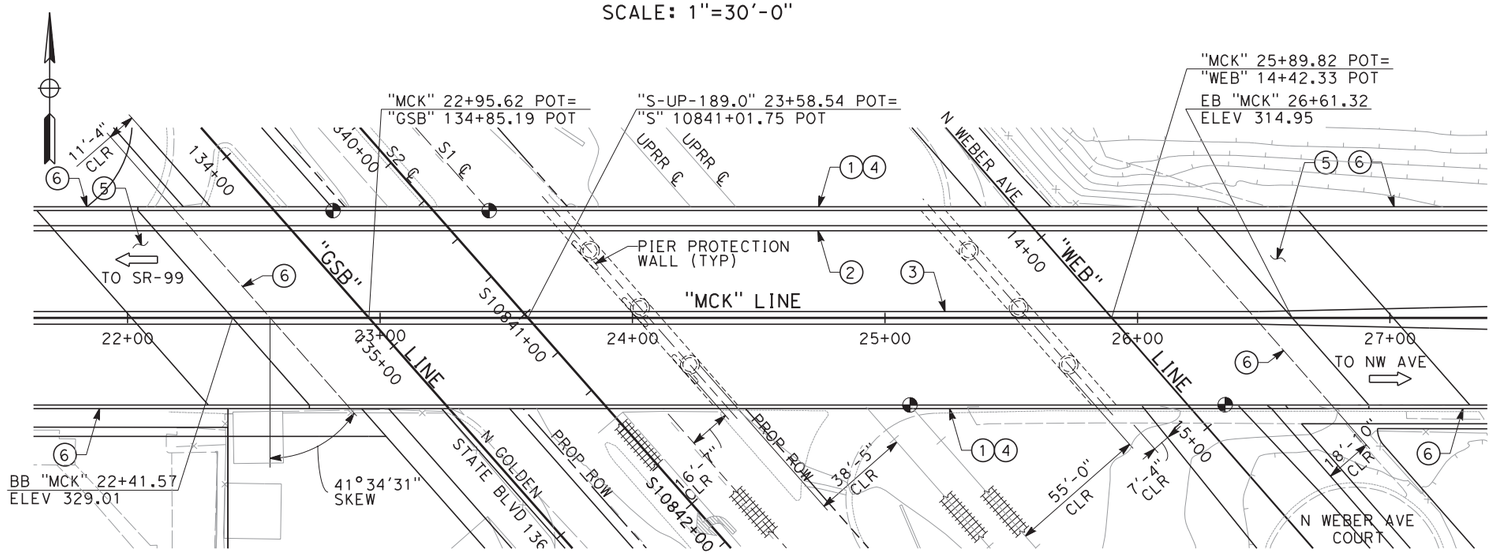
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ychiu




## PROFILE GRADE
NO SCALE




## ELEVATION
SCALE: 1"=30'-0"



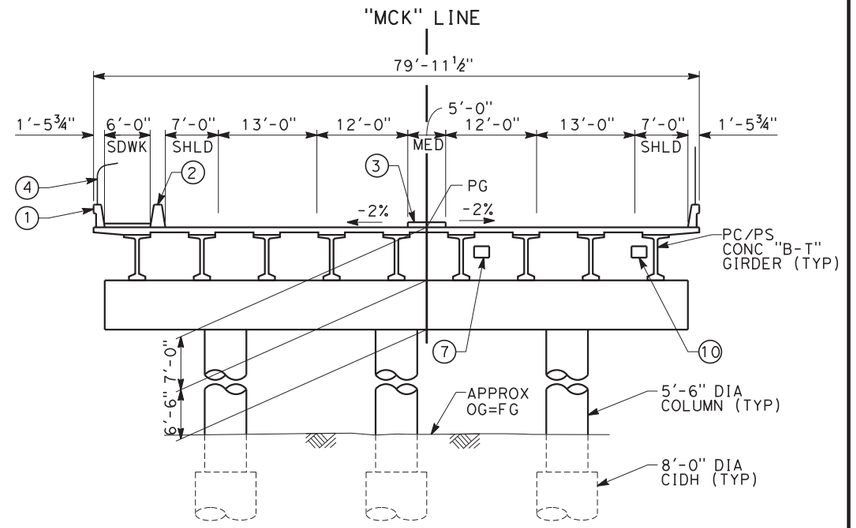

## PLAN
SCALE: 1"=30'-0"

### NOTES:

1. CONCRETE BARRIER (TYPE 736 MODIFIED)
2. CONCRETE BARRIER (TYPE 60)
3. BARRIER CURB
4. AR FENCE
5. STRUCTURE APPROACH SLAB
6. MSE RETAINING WALL
7. FUTURE UTILITY OPENING
8. FOR UTILITY INFORMATION, SEE UTILITY BASE MAP PLANS.
9. FOR INTRUSION DETECTION/PROTECTION, SEE ALIGNMENT PLANS.
10. OPENING FOR RELOCATED WATER LINE

### LEGEND:

- INDICATES DIRECTION OF TRAFFIC
- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK




## TYPICAL SECTION
SCALE: 1"=10'-0"

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY L. SMITH
DRAWN BY T. PRETZER
CHECKED BY E. MORAN
IN CHARGE Y. BERI
DATE 02/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

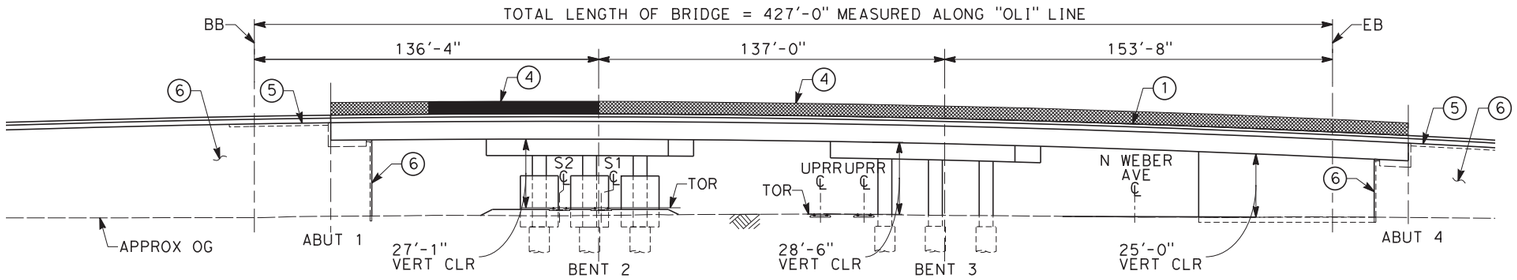
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
DRAFT GENERAL PLAN
W MCKINLEY AVE

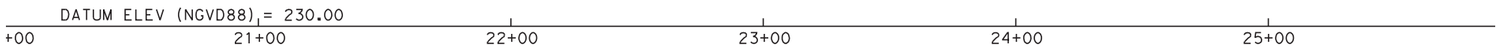
CONTRACT NO.
DRAWING NO. ST-K1026
SCALE AS SHOWN
SHEET NO.

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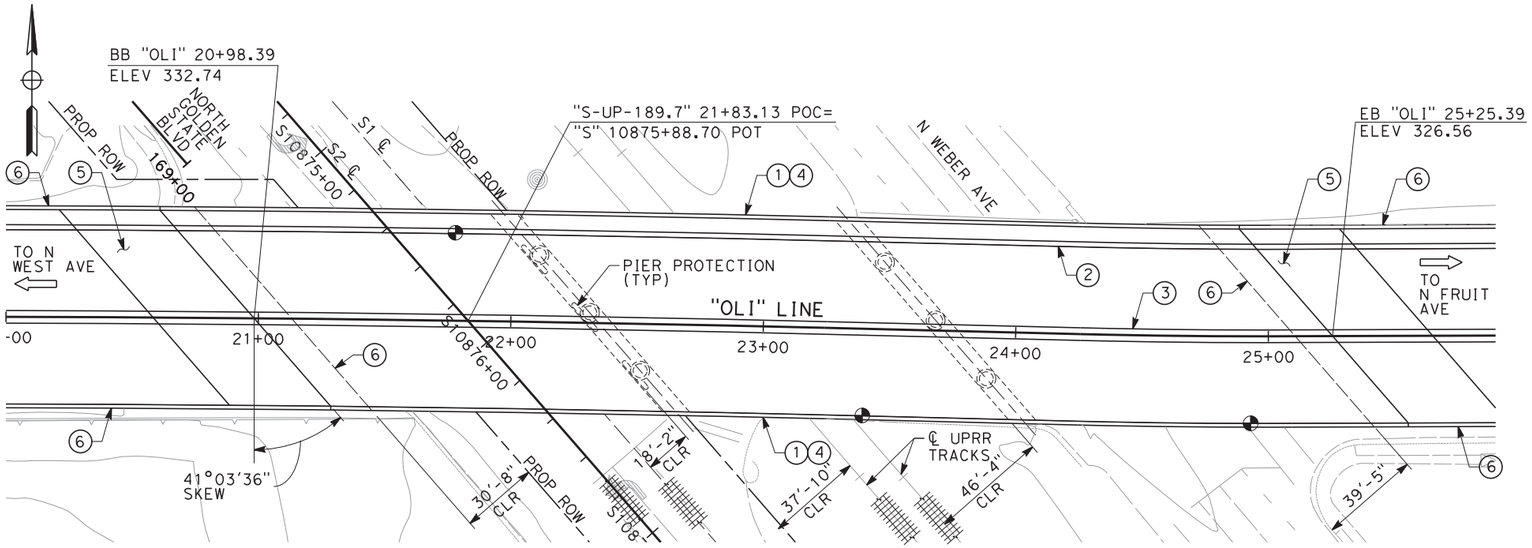



## PROFILE GRADE
NO SCALE




## DEVELOPED ELEVATION
SCALE: 1"=30'-0"



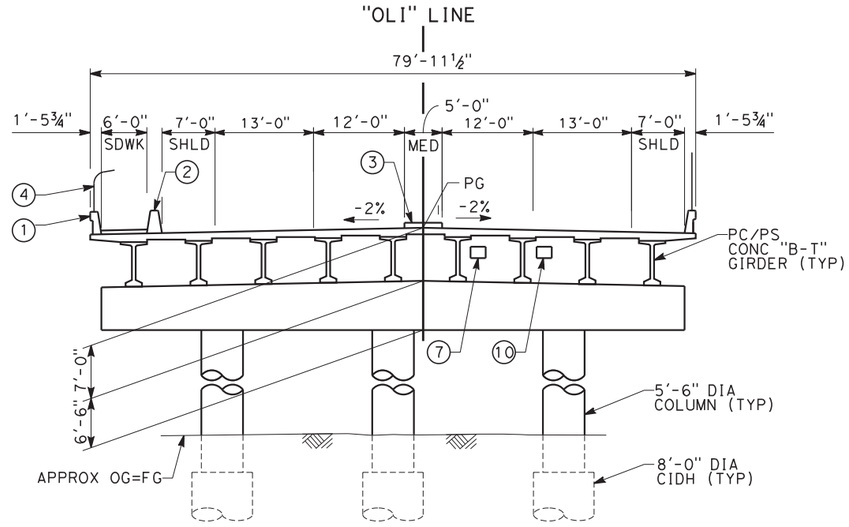

## PLAN
SCALE: 1"=30'-0"

### NOTES:

1. CONCRETE BARRIER (TYPE 736 MODIFIED)
2. CONCRETE BARRIER (TYPE 60)
3. BARRIER CURB
4. AR FENCE
5. STRUCTURE APPROACH SLAB
6. MSE RETAINING WALL
7. FUTURE UTILITY OPENING
8. FOR UTILITY INFORMATION, SEE UTILITY BASE MAP PLANS.
9. FOR INTRUSION DETECTION/PROTECTION, SEE ALIGNMENT PLANS.
10. OPENING FOR RELOCATED WATER LINE

### LEGEND:

- INDICATES DIRECTION OF TRAFFIC
- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK




## TYPICAL SECTION
SCALE: 1"=10'-0"

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY M. BURGARD
DRAWN BY D. BARNHART
CHECKED BY E. MORAN
IN CHARGE Y. BERI
DATE 02/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

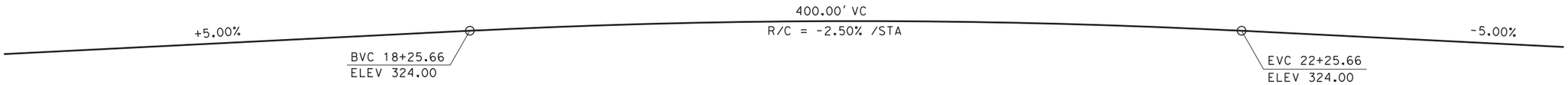
URS | HMM | ARUP
California High-Speed Train

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

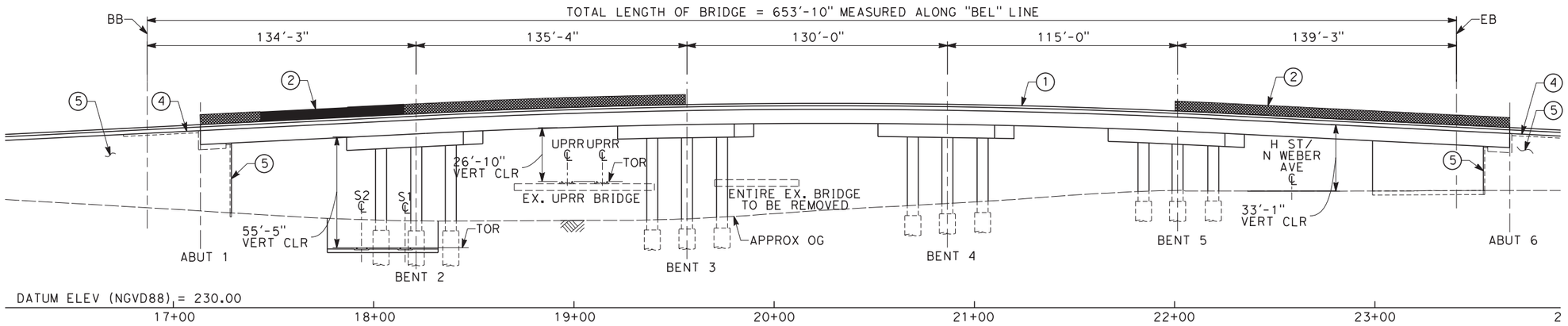
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
DRAFT GENERAL PLAN
W OLIVE AVE

CONTRACT NO.
DRAWING NO. ST-K1027
SCALE AS SHOWN
SHEET NO.

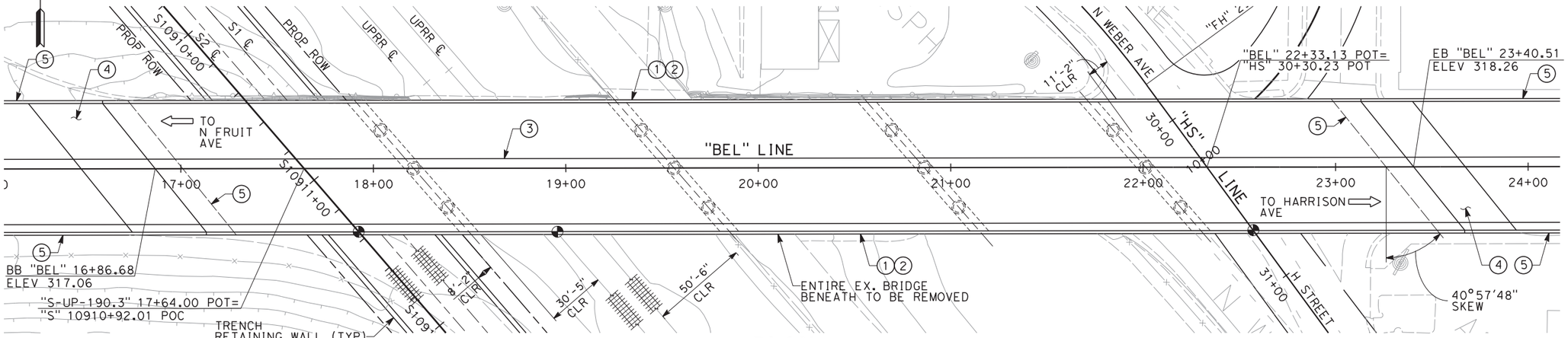
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## PROFILE GRADE
NO SCALE




## ELEVATION
SCALE: 1"=30'-0"




## PLAN
SCALE: 1"=30'-0"

### NOTES:

1. CONCRETE BARRIER (TYPE 736 MODIFIED)
2. AR FENCE
3. BARRIER CURB
4. STRUCTURE APPROACH SLAB
5. MSE RETAINING WALL
6. FOR UTILITY INFORMATION, SEE UTILITY BASE MAP PLANS.
7. FOR INTRUSION DETECTION/ PROTECTION, SEE ALIGNMENT PLANS.
8. SEE NEXT SHEET (ST-K1029) FOR TYPICAL SECTION

### LEGEND:

- INDICATES DIRECTION OF TRAFFIC
- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
- INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY L. SMITH
DRAWN BY T. PRETZER
CHECKED BY E. MORAN
IN CHARGE Y. BERI
DATE 02/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

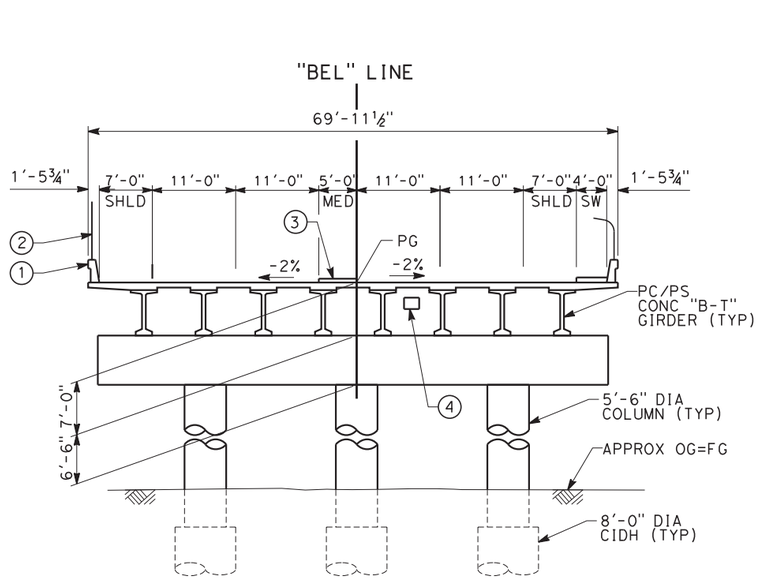
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
DRAFT GENERAL PLAN
BELMONT AVE

CONTRACT NO.
DRAWING NO. ST-K1028
SCALE AS SHOWN
SHEET NO.

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BUR52804 2/10/2012 10:11:03 AM CAHSRP-r1.tbl CHSR_PDF_half_black.plt G:_Sacramento\URS\235413 CA HSR Fresno Palmdale\16.0 Drawings\S1 HSR06-0003\Sheet Files\Package#1\Structures\S1-ST-I0002-BEL.dgn




**TYPICAL SECTION**
SCALE: 1"=10'-0"

NOTES:

1. CONCRETE BARRIER (TYPE 736 MODIFIED)
2. AR FENCE
3. BARRIER CURB
4. FUTURE UTILITY OPENING
5. FOR UTILITY INFORMATION, SEE UTILITY BASE MAP PLANS.
6. FOR INTRUSION DETECTION/PROTECTION, SEE ALIGNMENT PLANS.

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY L. SMITH
DRAWN BY T. PRETZER
CHECKED BY E. MORAN
IN CHARGE Y. BERI
DATE 02/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

URS | HMM | ARUP
CALIFORNIA HIGH-SPEED TRAIN

CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
DRAFT GENERAL PLAN
BELMONT AVE

CONTRACT NO.
DRAWING NO. ST-K1029
SCALE AS SHOWN
SHEET NO.

# CIVIL GENERAL NOTES

A. GENERAL SITE NOTES

1. FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK AND REPORT ANY DISCREPANCIES TO THE OWNER'SREPRESENTATIVE. VISIT THE SITE AND BECOME FAMILIAR WITH THE SITE CONDITIONS PRIOR TO BIDDING.
2. ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH LOCAL AND STATE JURISDICTION INSPECTOR(S). NOTIFY LOCAL AND STATE JURISDICTION INSPECTOR(S) _____ DAYS PRIOR TO THE START OF ANY CONSTRUCTION.
3. ALL DAMAGE CAUSED BY THE PROJECT SHALL BE RESTORED TO AN "AS GOOD OR BETTER" CONDITION.
4. LEAVE THE PROJECT AREA FREE OF DEBRIS AND UNUSED MATERIAL UPON PROJECT COMPLETION.
5. FOR STANDARD GENERAL ABBREVIATIONS, SEE DRAWINGS SD-GE-001 THRU SD-GE-004.
6. FOR STANDARD GENERAL SYMBOLS, SEE DRAWINGS SD-GE-005 THRU SD-GE-007.
7. "ORIGINAL GROUND" SHOWN ON CROSS SECTIONS REFERS TO THE APPROXIMATE EXISTING GROUND LINE AT THE DESIGNATED CENTERLINE, BASELINE, LAYOUT LINE OR SECTION LINE.
8. MAINTAIN EXISTING SITE SURVEY CONTROL POINTS AND BENCH MARKS. SURVEY CONTROL POINTS OR BENCH MARKS DAMAGED OR REMOVED AS A RESULT OF THE PROJECT SHALL BE RESTORED BY A REGISTERED LAND SURVEYOR.
9. ALL WORK SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL CODES AND ORDINANCES IN EFFECT. PROVIDE AND MAINTAIN PROPER BARRICADES, RAILINGS, GUARDS, FLAGGING, LIGHTING, OR OTHER DEVICES NECESSARY FOR THE PROTECTION OF LIFE AND PROPERTY.
10. VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING MATERIALS.
11. ALL HORIZONTAL AND VERTICAL DISTANCES ARE IN FEET AND /OR DECIMALS OF FOOT EXCEPT AS NOTED OTHERWISE.
12. ACCESS ROAD TYPE SHALL BE CONFIRMED ON A SITE-BY-SITE BASIS.

B. DEMOLITION NOTES

1. REVIEW ALL ENVIRONMENTAL STUDIES AND REQUIREMENTS PRIOR TO BIDDING.
2. MAINTAIN TEMPORARY ACCESS DURING CONSTRUCTION. UTILITY OUTAGE AND ACCESS CLOSURES DURING CONSTRUCTION REQUIRE A MINIMUM OF _____ DAYS NOTICE TO OWNER OR SITE TENANTS.
3. FOLLOW LOCAL JURISDICTION REQUIREMENTS FOR CLEARING AND GRUBBING.

C. GRADING

1. DO NOT PERFORM ANY GRADING OPERATION SO AS TO CAUSE FALLING ROCKS, SOIL OR DEBRIS IN ANY FORM TO FALL, SLIDE OR FLOW ONTO ADJOINING PROPERTIES, STREETS OR NATURAL WATERCOURSES. SHOULD SUCH VIOLATION OCCUR ALL NECESSARY REMEDIAL ACTIONS MUST BE MADE IMMEDIATELY.
2. KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM DUST NUISANCE.
3. PROVISIONS SHALL BE MADE TO PREVENT SURFACE WATERS FROM DAMAGING THE CUT FACE OF AN EXCAVATION OR THE SLOPED SURFACES OF A FILL. FURTHERMORE, PROVISIONS SHALL BE MADE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE SITE.
4. ALL SLOPED AND EXPOSED AREAS SHALL BE SODDED OR PLANTED AS SOON AS FINAL GRADES HAVE BEEN ESTABLISHED. PLANTING SHALL NOT BE DELAYED UNTIL ALL GRADING WORK HAS BEEN COMPLETED. GRADING TO FINAL GRADE SHALL BE CONTINUOUS, AND ANY AREA WITHIN WHICH WORK HAS BEEN INTERRUPTED OR DELAYED SHALL BE PLANTED.
5. THE LIMITS OF THE AREA TO BE GRADED SHALL BE FLAGGED BEFORE THE COMMENCEMENT OF THE GRADING WORK.
6. ALL GRADING OPERATIONS SHALL BE PERFORMED IN CONFORMANCE WITH THE APPLICABLE PROVISIONS OF THE WATER POLLUTION CONTROL AND WATER QUALITY STANDARDS CONTAINED IN THE LATEST CALTRANS STORM WATER QUALITY HANDBOOKS.

D. TEMPORARY TRAFFIC CONTROL

1. OBTAIN APPROVAL FOR TRAFFIC CONTROL PLAN FROM AGENCY HAVING JURISDICTION OVER THE ROADWAY PRIOR TO IMPLEMENTATION OF TEMPORARY TRAFFIC CONTROL.

E. PUBLIC HEATH, SAFETY, AND CONVENIENCE NOTES

1. OBSERVE AND COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS REQUIRED FOR THE PROTECTION OF PUBLIC HEALTH, SAFETY, AND ENVIRONMENTAL QUALITY.
2. APPLY FOR A CONSTRUCTION PERMIT WITH A NOISE POLLUTION CONTROL PLAN.

F. STOCKPILING NOTES

1. IF THE STOCKPILING WORK INVOLVES CONTAMINATED SOIL, THEN ALL STOCKPILING WORK SHALL BE DONE IN CONFORMANCE WITH APPLICABLE STATE AND FEDERAL REQUIREMENTS.

G. GRUBBING AND CLEARING NOTES

1. WHERE APPLICABLE AND FEASIBLE THE MEASURES TO CONTROL EROSION AND OTHER POLLUTANTS SHALL BE IN PLACE BEFORE ANY GRUBBING WORK IS INITIATED.

H. ADDITIONAL INFORMATION

1. THE FOLLOWING TABLES PROVIDE INFORMATION ON THE DESIGN SPEED OF CITY OF FRESNO ROADWAYS WITHIN THE LIMITS OF WORK:

DESIGN SPEED TABLE (NORTH OF CLINTON AVE)

| STREET NAME | ALIGNMENT DESIGNATION | DESIGN SPEED (MPH) |
|---|---|---|
| GOLDEN STATE BLVD | G1 | 45 |
| GOLDEN STATE BLVD | G2 | 40* |
| GOLDEN STATE BLVD | G3 | 45 |
| GOLDEN STATE BLVD (SOUTH OF SWIFT AVE) | G3 | 35 |
| SHAW AVE | SH | 35 |
| CORNELIA AVENUE/SANTA ANA AVENUE | CS | 30 |
| VETERANS BLVD | V | 45* |
| VETERANS BLVD RAMP | VR | 25* |
| BULLARD AVENUE | BU | 40* |
| CLINTON AVE | C | 45 |
| ASHLAN AVE | AS | 40 |
| BARSTOW AVENUE | B | 25 |
| KATHRYN WAY | K | 25 |
| STATE AVENUE | ST | 25 |
| MARKET AVENUE | M | 25 |
| MOTEL DRIVE | AS6 | 25 |
| ASHLAN/MOTEL DRIVE RIGHT TURN | AS7 | 25 |
| JENNIFER AVENUE | J | 25 |

*15% DESIGN - PENDING UPDATES BY CITY OF FRESNO

DESIGN SPEED TABLE (SOUTH OF CLINTON AVE)

| STREET NAME | ALIGNMENT DESIGNATION | DESIGN SPEED (MPH) |
|---|---|---|
| W MCKINLEY AVE | MCK | 30 |
| W OLIVE AVE | OLI | 35 |
| BELMONT AVE | BEL | 30 |
| MCKINLEY AVE CONNECTOR | MCC | 30 |
| N GOLDEN STATE BLVD | GSB | 50 |
| N WEBER AVE | WEB | 40 |
| N H ST | HS | 35 |
| N WESLEY AVE | WSL | <20 |
| N WEST AVE | WES | 30 |
| N CARUTH AVE | CAR | 30 |
| N FARRIS AVE | FAR | 30 |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY J. MATSUI-DRURY
IN CHARGE F. NOBARI
DATE 02/01/2012

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

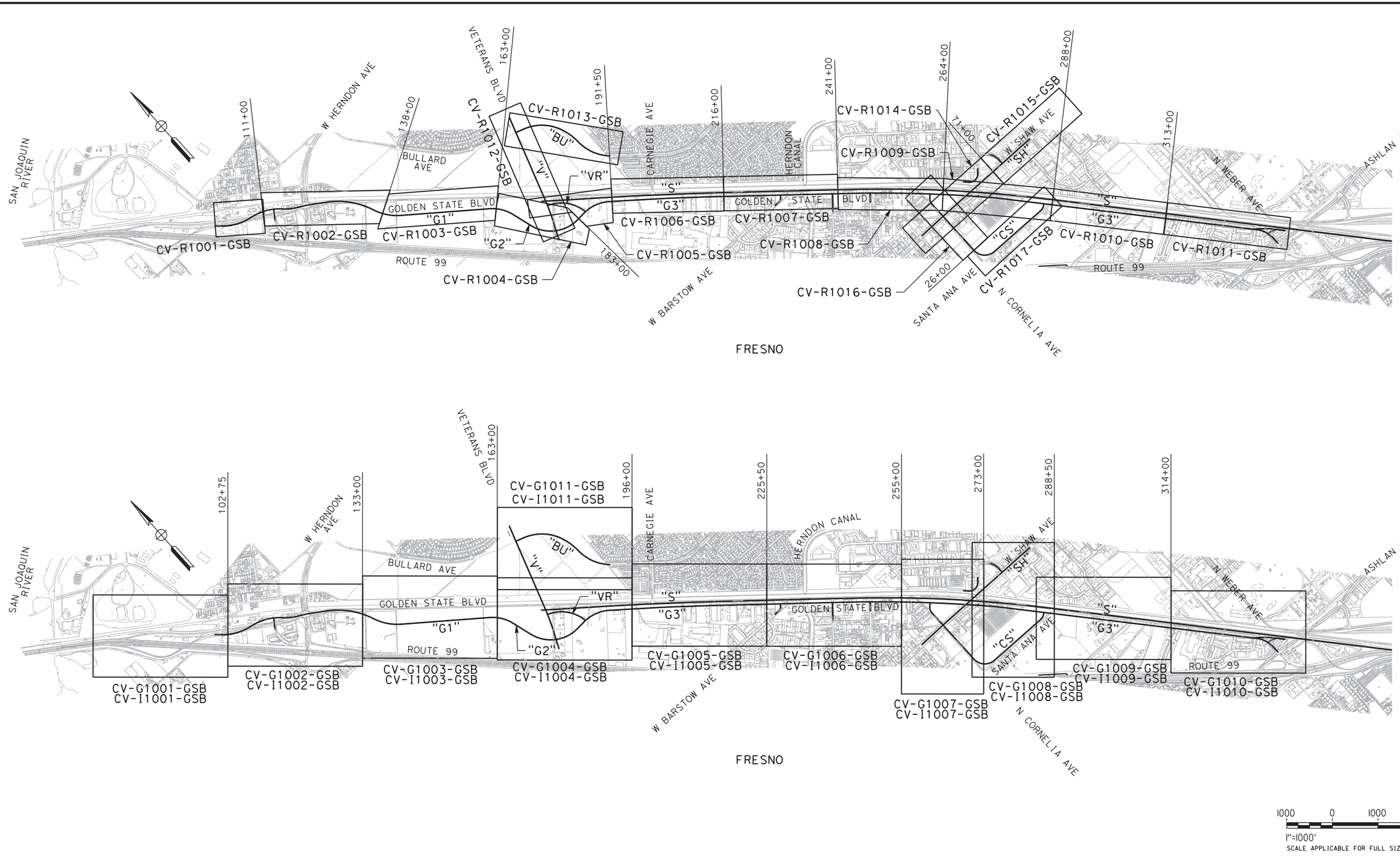
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
GENERAL NOTES

CONTRACT NO.
DRAWING NO. CV-GE001
SCALE AS SHOWN
SHEET NO.

sleong 2/13/2012 4:43:06 PM CAHSRP-R1.TBL CHSR_half_black-pdf995.prf C:\Documents and Settings\sleong\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\X-GE-ANNO-GENERAL-NOTES.dgn




1000 0 1000 2000

1"=1000'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
KEY MAP
GOLDEN STATE BOULEVARD

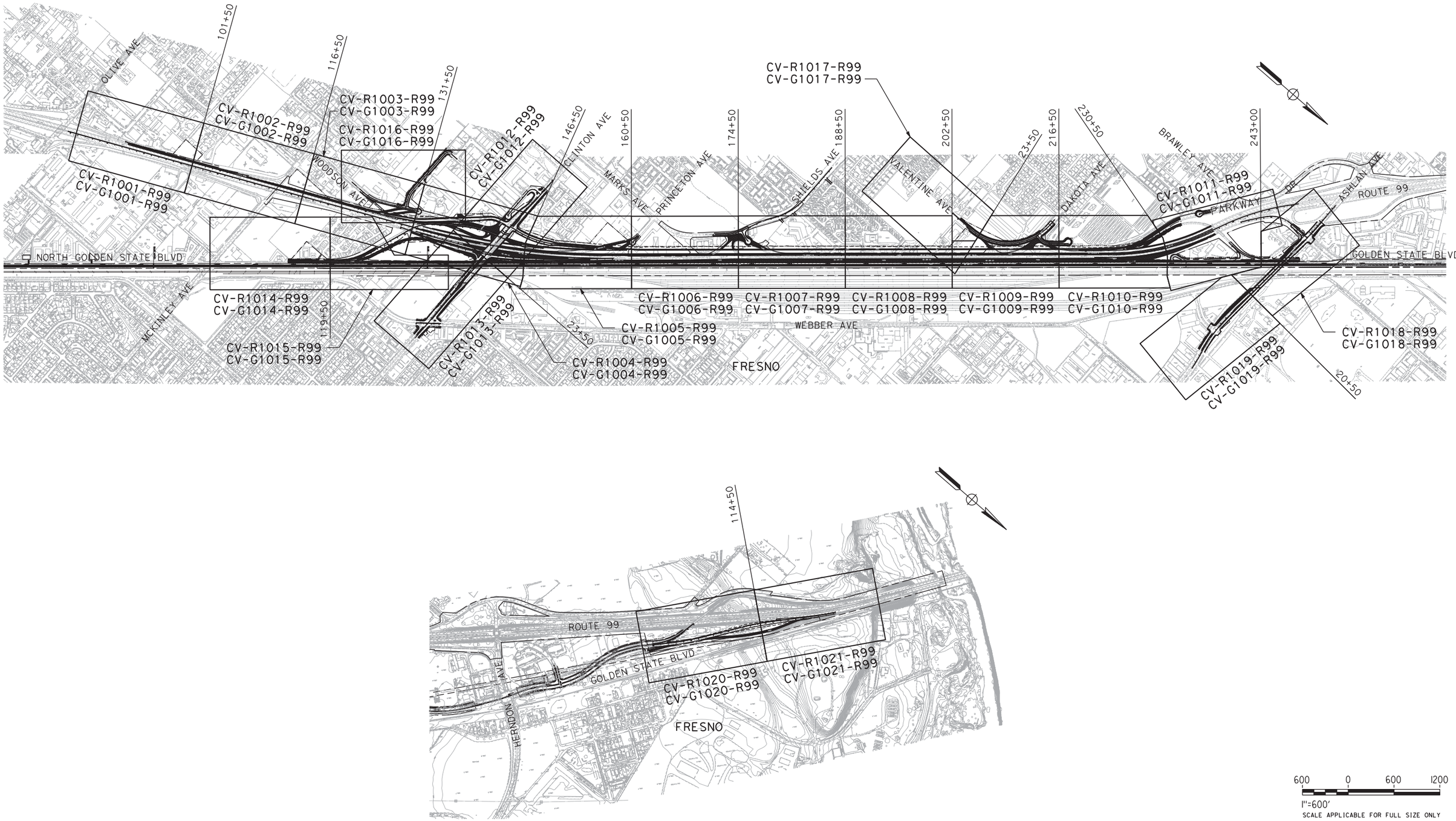
CONTRACT NO.

DRAWING NO. CV-R0001

SCALE AS SHOWN

SHEET NO.

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| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
KEY MAP
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-R0002
SCALE AS SHOWN
SHEET NO.

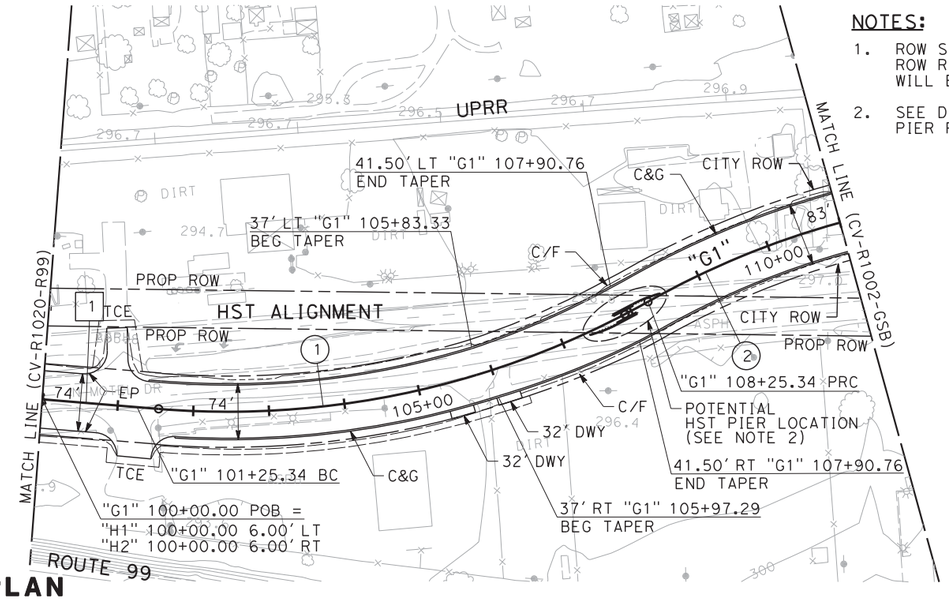
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LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 1 | S 45°59'10" E | 125.34' |

CURVE DATA

| NO. | R | △ | T | L |
|---|---|---|---|---|
| 1 | 1130.00' | 35°29'35" | 361.64' | 700.00' |
| 2 | 1130.00' | 36°28'00" | 372.25' | 719.20' |



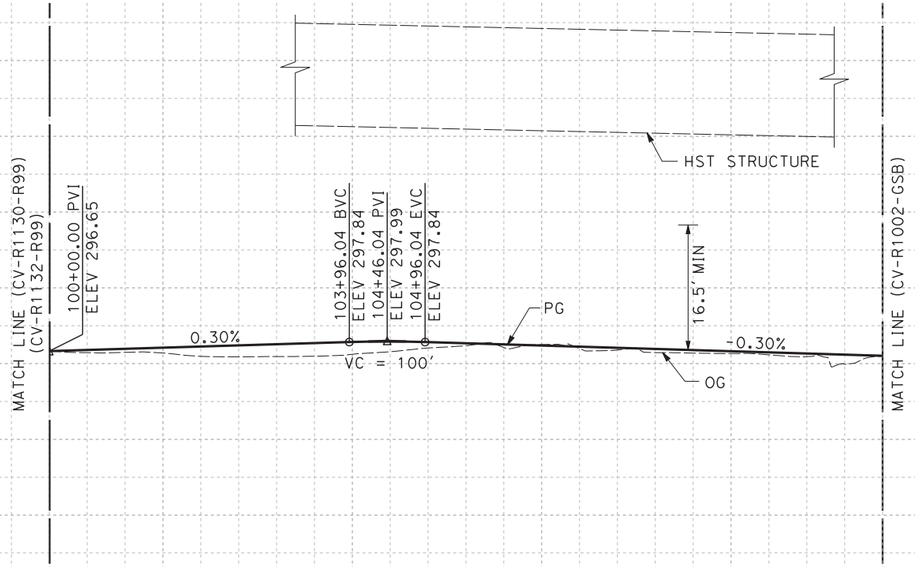

**PLAN**

NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. SEE DESIGN MANUAL FOR DETAILS OF PIER PROTECTION REQUIREMENT.

100 0 100 200
1"=100' HOR
SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY




**PROFILE**
"G1" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
PLAN AND PROFILE
GOLDEN STATE BOULEVARD

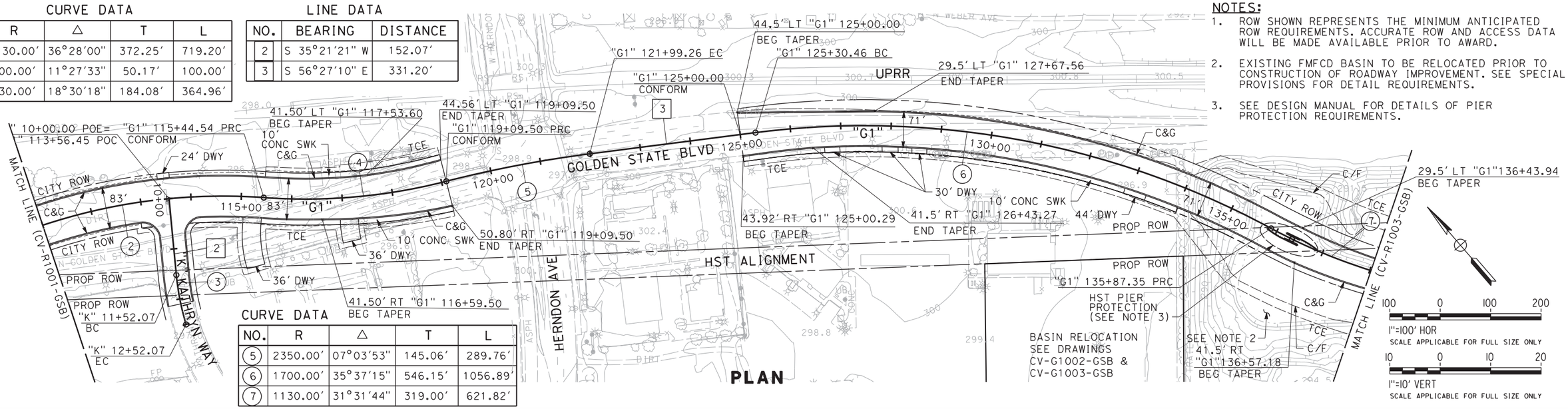
CONTRACT NO.
DRAWING NO. CV-R1001-GSB
SCALE AS SHOWN
SHEET NO.

lwebster 11/16/2011 5:46:48 PM C:\Documents and Settings\lwebster\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1001-GSB.dgn
CAHSRP-R1.TBL CHSR_half_black.plt

| CURVE DATA | | | | |
|---|---|---|---|---|
| NO. | R | Δ | T | L |
| (2) | 1130.00′ | 36°28′00" | 372.25′ | 719.20′ |
| (3) | 500.00′ | 11°27′33" | 50.17′ | 100.00′ |
| (4) | 430.00′ | 18°30′18" | 184.08′ | 364.96′ |

| LINE DATA | | |
|---|---|---|
| NO. | BEARING | DISTANCE |
| 2 | S 35°21′21" W | 152.07′ |
| 3 | S 56°27′10" E | 331.20′ |

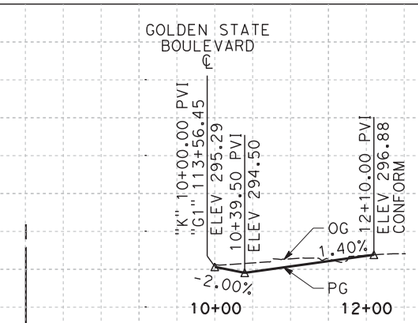
| CURVE DATA | | | | |
|---|---|---|---|---|
| NO. | R | Δ | T | L |
| (5) | 2350.00′ | 07°03′53" | 145.06′ | 289.76′ |
| (6) | 1700.00′ | 35°37′15" | 546.15′ | 1056.89′ |
| (7) | 1130.00′ | 31°31′44" | 319.00′ | 621.82′ |



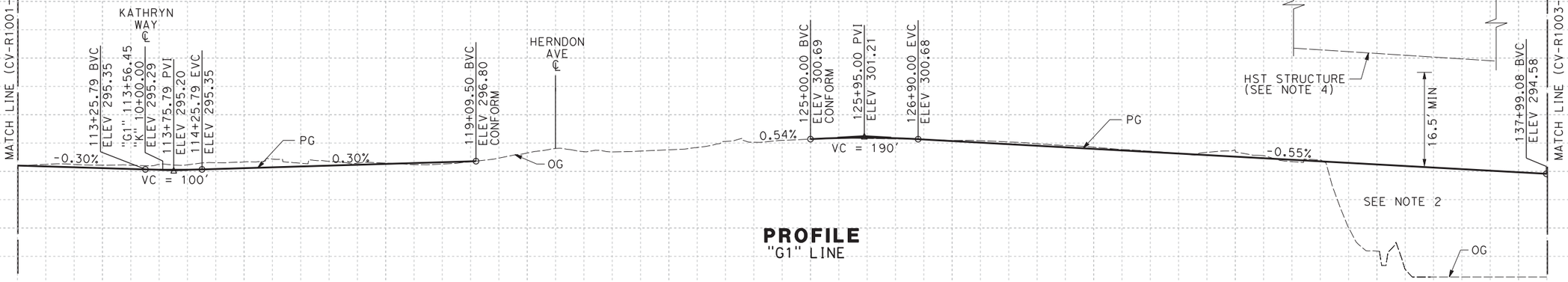

PLAN

NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. EXISTING FMFCD BASIN TO BE RELOCATED PRIOR TO CONSTRUCTION OF ROADWAY IMPROVEMENT. SEE SPECIAL PROVISIONS FOR DETAIL REQUIREMENTS.
3. SEE DESIGN MANUAL FOR DETAILS OF PIER PROTECTION REQUIREMENTS.




PROFILE
"K" LINE




PROFILE
"G1" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

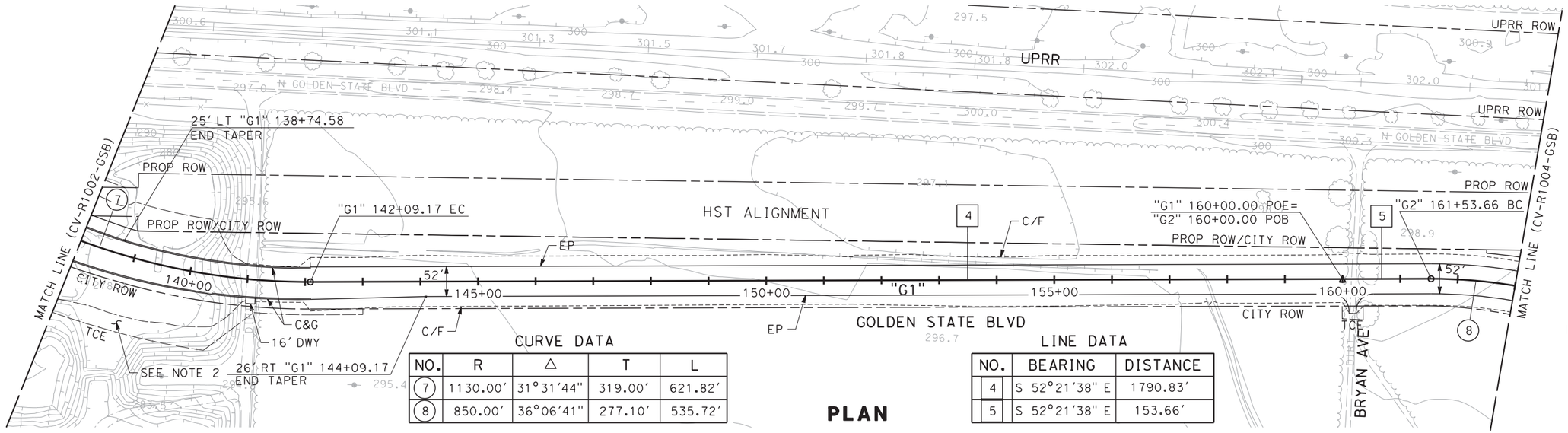
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PLAN AND PROFILE
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-R1002-GSB
SCALE AS SHOWN
SHEET NO.

C:\Documents and Settings\Iwebster\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1002-GSB.dgn
Iwebster 11/16/2011 5:55:19 PM CAHSRP-R1.TBL CHSR_half_black.plt




**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. EXISTING FMFCD BASIN TO BE RELOCATED PRIOR TO CONSTRUCTION. SEE SPECIAL PROVISIONS FOR DETAIL REQUIREMENTS

1"=100' HOR
SCALE APPLICABLE FOR FULL SIZE ONLY

1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

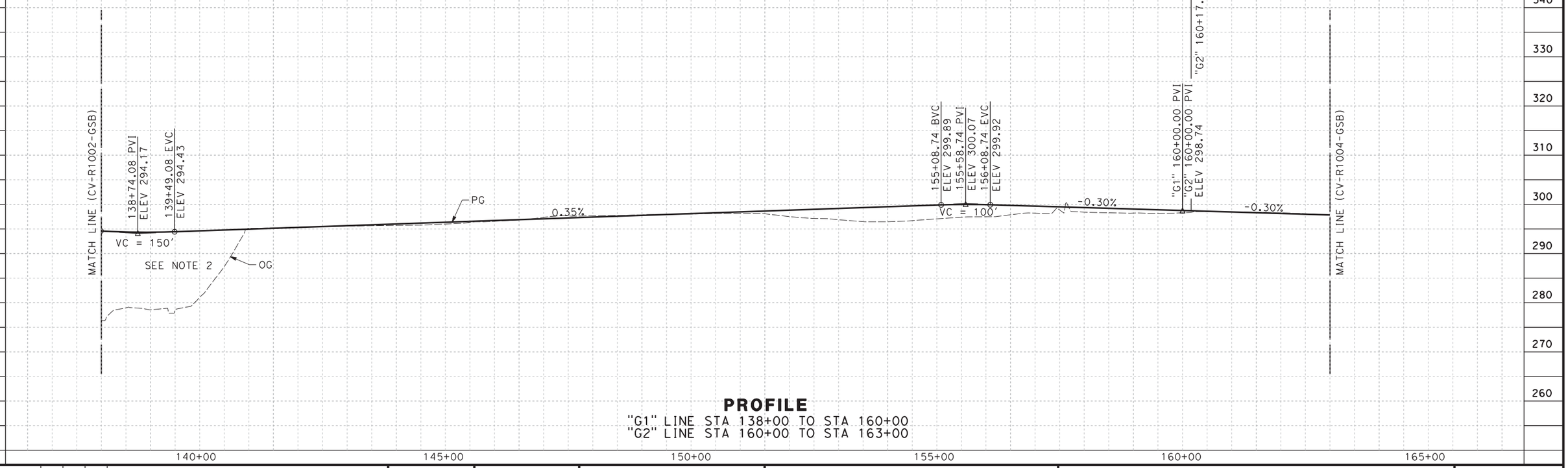
**CURVE DATA**

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| 7 | 1130.00' | 31°31'44" | 319.00' | 621.82' |
| 8 | 850.00' | 36°06'41" | 277.10' | 535.72' |

**LINE DATA**

| NO. | BEARING | DISTANCE |
|---|---|---|
| 4 | S 52°21'38" E | 1790.83' |
| 5 | S 52°21'38" E | 153.66' |

**PLAN**




**PROFILE**
"G1" LINE STA 138+00 TO STA 160+00
"G2" LINE STA 160+00 TO STA 163+00

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
PLAN AND PROFILE
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-R1003-GSB
SCALE AS SHOWN
SHEET NO.

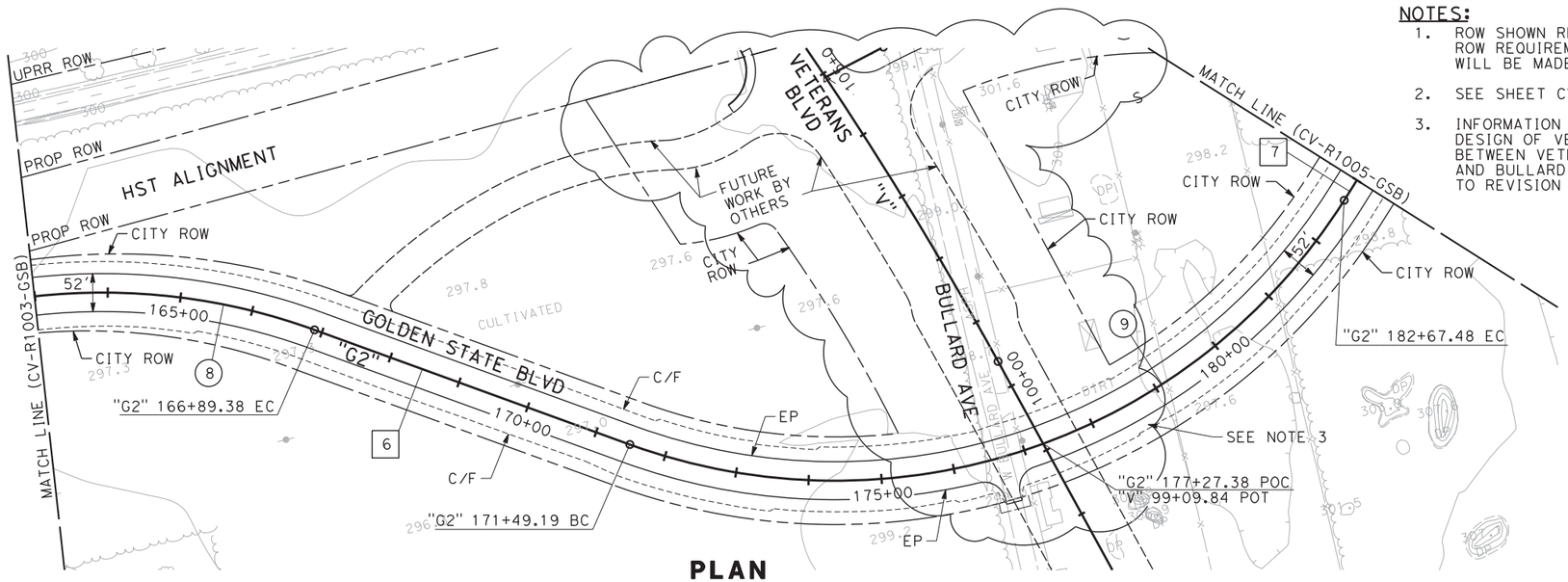
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## CURVE DATA

| NO. | R | △ | T | L |
|---|---|---|---|---|
| (8) | 850.00′ | 36°06′41″ | 277.10′ | 535.72′ |
| (9) | 825.00′ | 77°39′53″ | 664.08′ | 1118.29′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 6 | S 16°14′57″ E | 459.80′ |
| 7 | N 86°05′10″ E | 194.51′ |



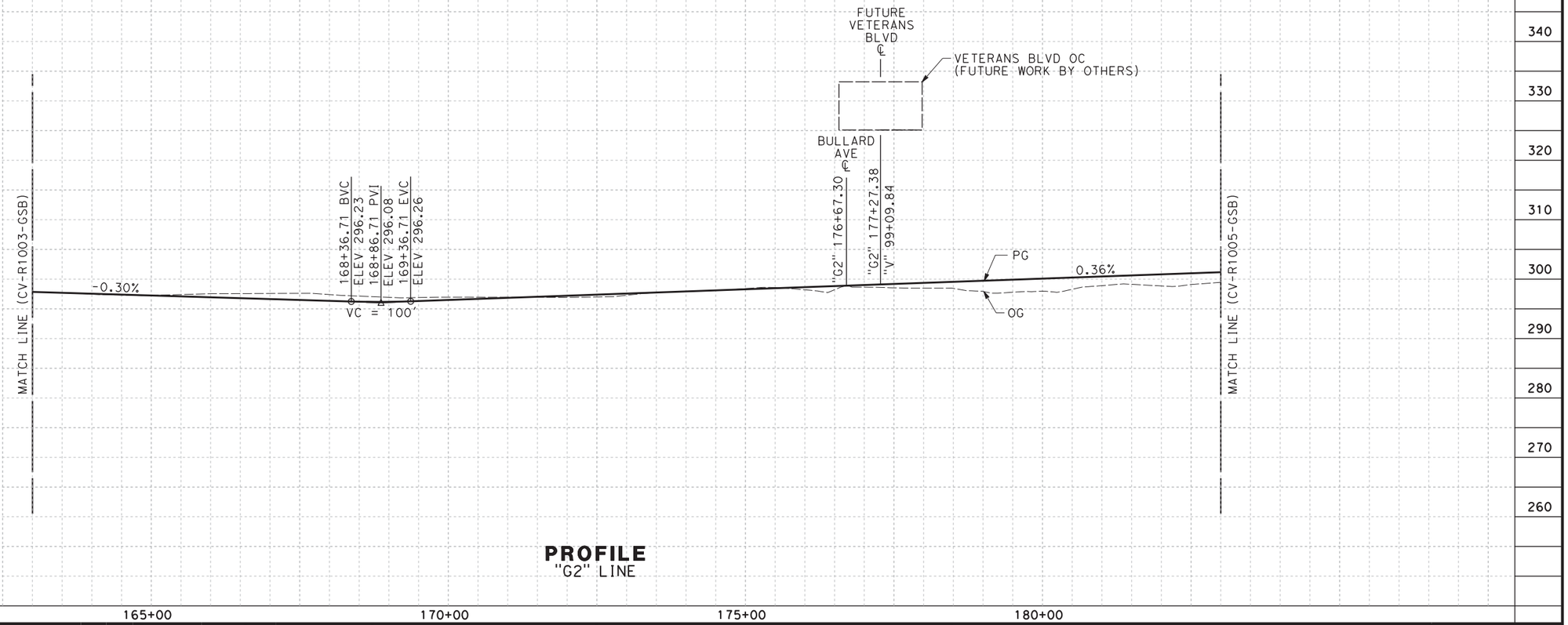

**PLAN**

### NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. SEE SHEET CV-R1012-GSB FOR VETERANS BLVD.
3. INFORMATION SHOWN IS BASED ON 15% DESIGN. DESIGN OF VETERANS BOULEVARD RAMP CONNECTION BETWEEN VETERANS AND GOLDEN STATE BOULEVARD, AND BULLARD AVENUE IS IN-PROGRESS AND SUBJECT TO REVISION BY THE CITY OF FRESNO.

100 0 100 200
1"=100′ HOR
SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20
1"=10′ VERT
SCALE APPLICABLE FOR FULL SIZE ONLY




**PROFILE**
"G2" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PLAN AND PROFILE
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-R1004-GSB
SCALE AS SHOWN
SHEET NO.

lwebster 11/16/2016:00:39 PM C:\Documents and Settings\lwebster\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1004-GSB.dgn CAHSRP-R1.TBL CHSR_half_black.plt

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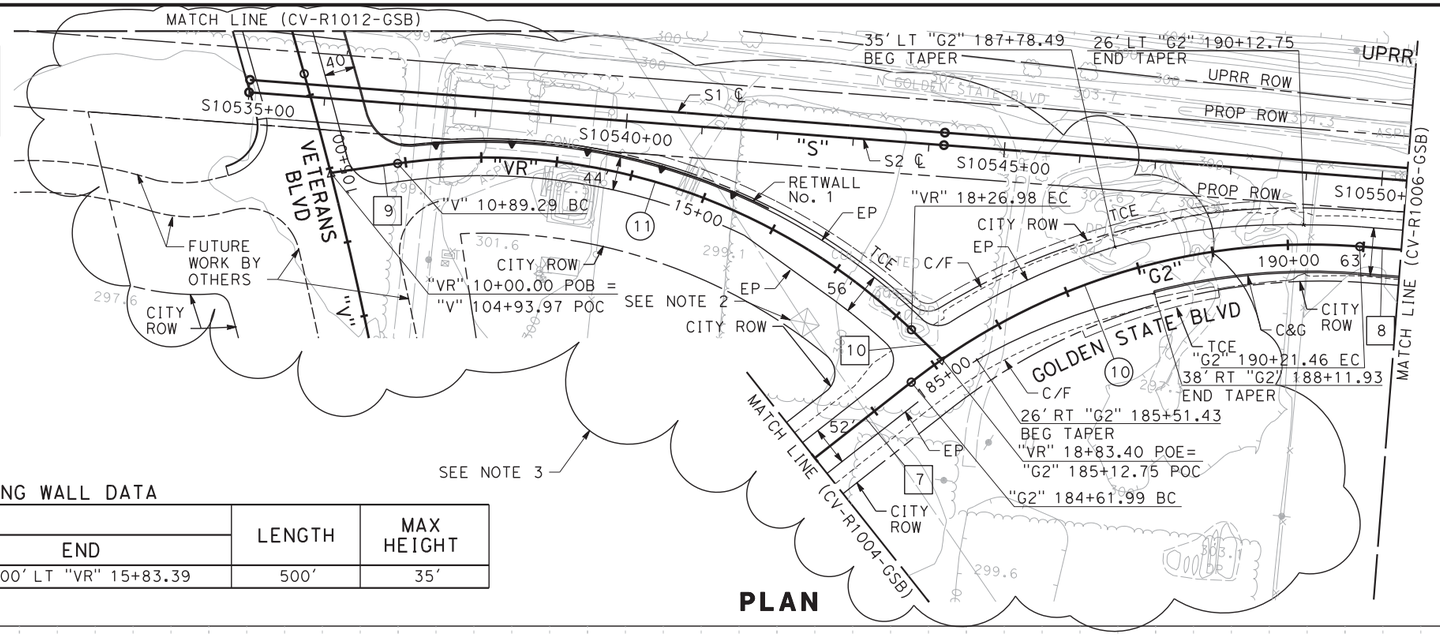
| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (10) | 850.00′ | 42°40′08" | 331.99′ | 633.00′ |
| (11) | 815.40 | 51°50′07" | 396.25′ | 737.69′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 7 | N 86°05′10" E | 194.51′ |
| 8 | S 51°14′43" E | 105.01′ |
| 9 | S 63°44′00" E | 89.29′ |
| 10 | S 11°53′52" E | 56.42′ |

## RETAINING WALL DATA

| NO. | LOCATIONS | | LENGTH | MAX HEIGHT |
|---|---|---|---|---|
| | BEGIN | END | | |
| 1 | 22.00′ LT "VR" 10+83.26 | 22.00′ LT "VR" 15+83.39 | 500′ | 35′ |



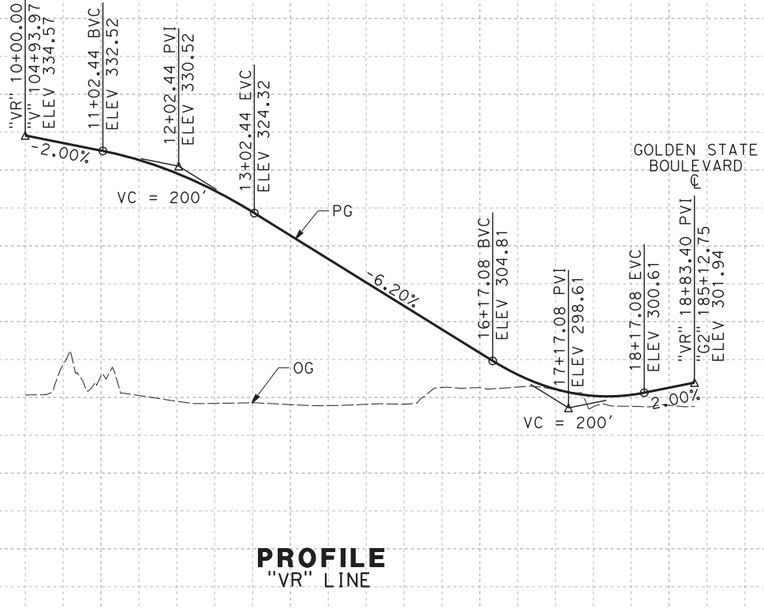

## PLAN

## NOTES:

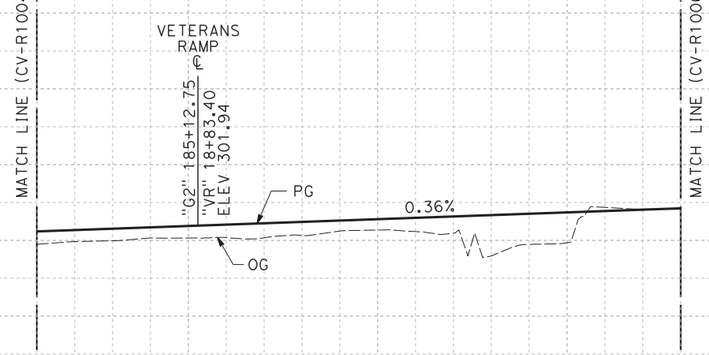
1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. EXISTING TRANSMISSION TOWER TO BE PROTECTED IN PLACE.
3. INFORMATION SHOWN IS BASED ON 15% DESIGN. DESIGN OF VETERANS BOULEVARD RAMP CONNECTION BETWEEN VETERANS AND GOLDEN STATE BOULEVARD, AND BULLARD AVENUE IS IN-PROGRESS AND SUBJECT TO REVISION BY THE CITY OF FRESNO.

100 0 100 200
1"=100′ HOR
SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20
1"=10′ VERT
SCALE APPLICABLE FOR FULL SIZE ONLY




## PROFILE
"VR" LINE




## PROFILE
"G2" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PLAN AND PROFILE
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-R1005-GSB
SCALE AS SHOWN
SHEET NO.

lwebster 11/16/2016 10:01 PM CAHSRP-R1.TBL CHSR_half_black.plt C:\Documents and Settings\lwebster\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\15-CV-R1005-GSB.dgn

C:\Documents and Settings\lwebster\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1006-GSB.dgn
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## CURVE DATA

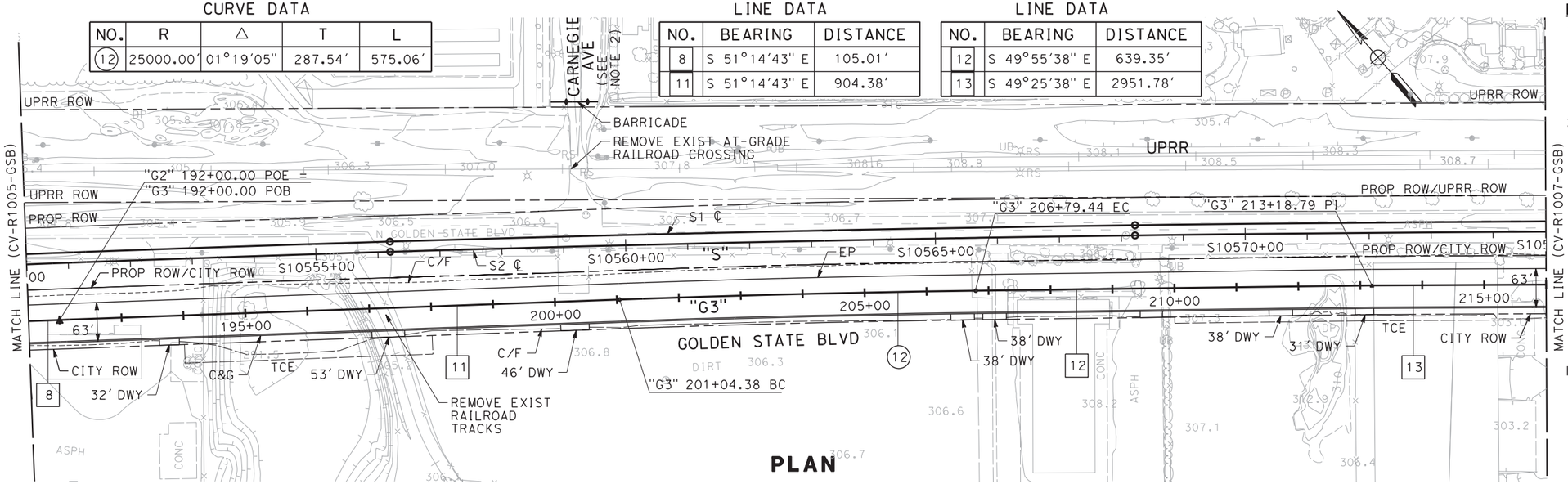
| NO. | R | Δ | T | L |
|---|---|---|---|---|
| 12 | 25000.00′ | 01°19′05″ | 287.54′ | 575.06′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 8 | S 51°14′43″ E | 105.01′ |
| 11 | S 51°14′43″ E | 904.38′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 12 | S 49°55′38″ E | 639.35′ |
| 13 | S 49°25′38″ E | 2951.78′ |



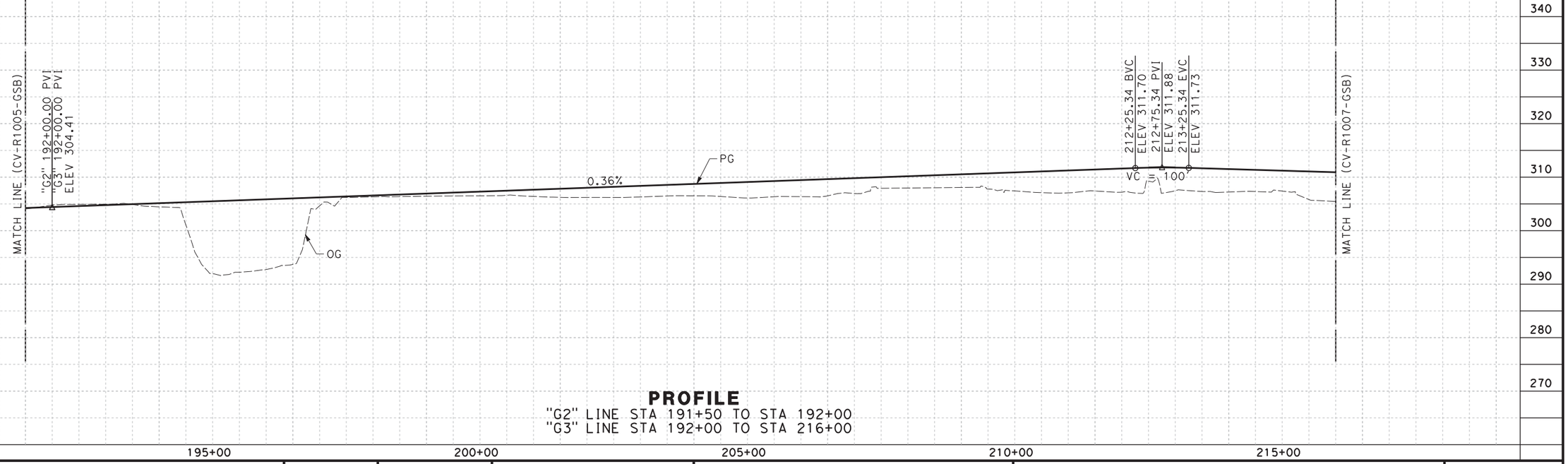

## PLAN

### NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CARNEGIE AVENUE TO BE CLOSED FOR ACCESS WEST OF THE UNION PACIFIC PROPERTY LINE. SEE SPECIAL PROVISIONS FOR DETAIL REQUIREMENTS.

100 0 100 200
1"=100′ HOR
SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20
1"=10′ VERT
SCALE APPLICABLE FOR FULL SIZE ONLY




## PROFILE

"G2" LINE STA 191+50 TO STA 192+00
"G3" LINE STA 192+00 TO STA 216+00

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

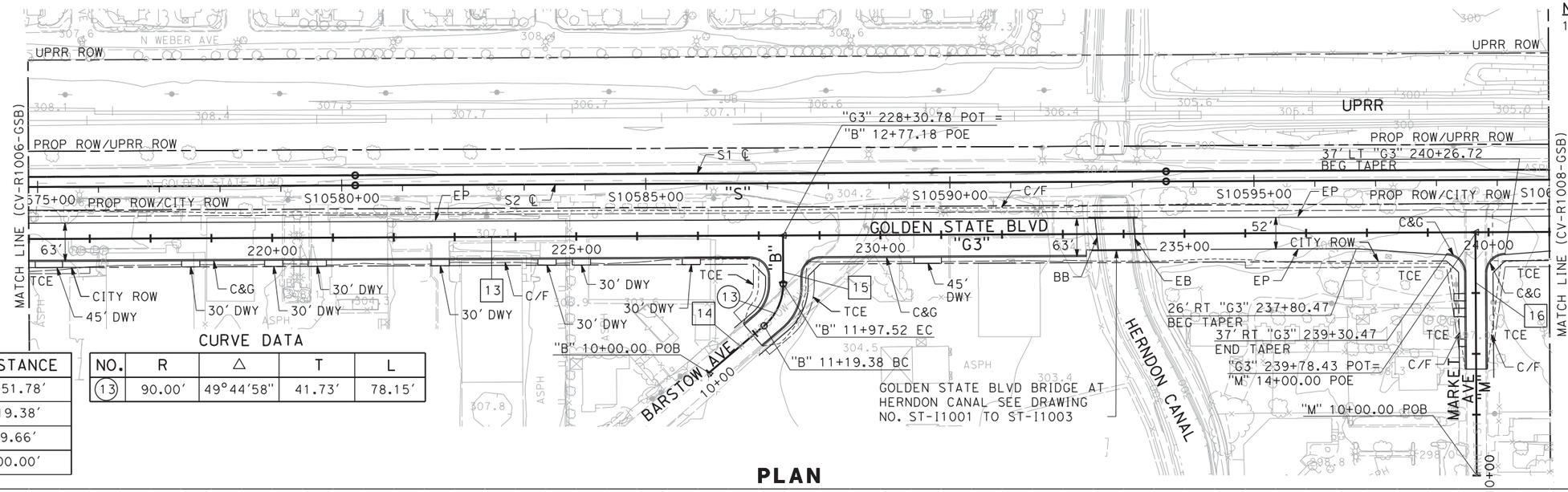
**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PLAN AND PROFILE
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-R1006-GSB
SCALE AS SHOWN
SHEET NO.




NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.

1"=100' HOR
SCALE APPLICABLE FOR FULL SIZE ONLY

1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

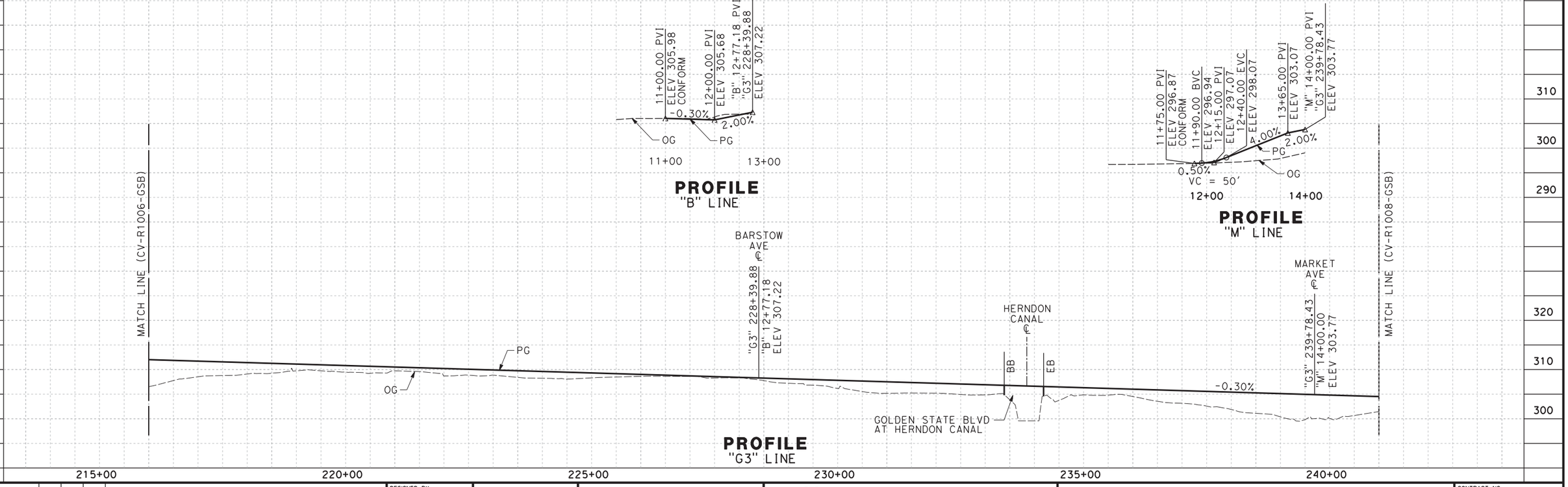
LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 13 | S 49°25'38" E | 2951.78' |
| 14 | S 89°40'40" E | 119.38' |
| 15 | N 40°34'22" E | 79.66' |
| 16 | N 40°32'18" E | 400.00' |

CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (13) | 90.00' | 49°44'58" | 41.73' | 78.15' |

## PLAN




## PROFILE
"B" LINE




## PROFILE
"M" LINE




## PROFILE
"G3" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
PLAN AND PROFILE
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-R1007-GSB
SCALE AS SHOWN
SHEET NO.

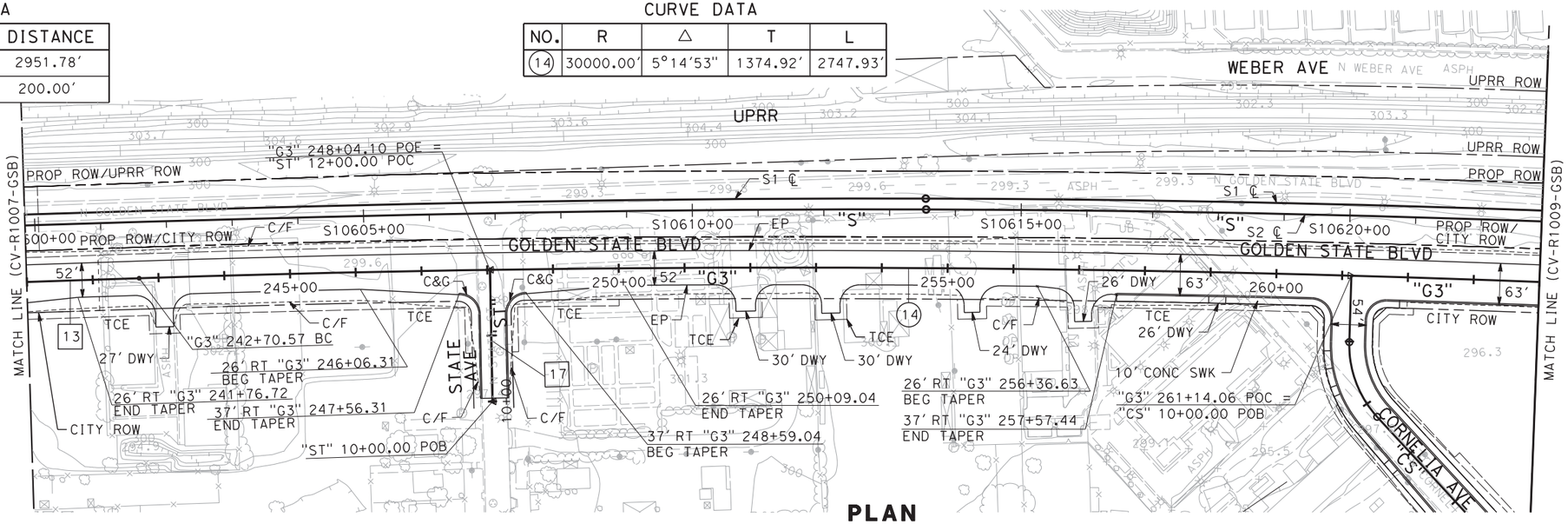
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LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 13 | S 49°25'38" E | 2951.78' |
| 17 | N 41°19'21" E | 200.00' |

CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| 14 | 30000.00' | 5°14'53" | 1374.92' | 2747.93' |



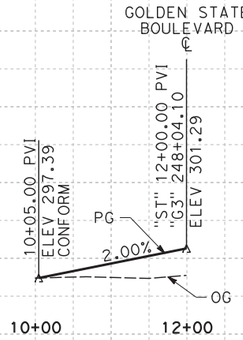

**PLAN**

NOTES:

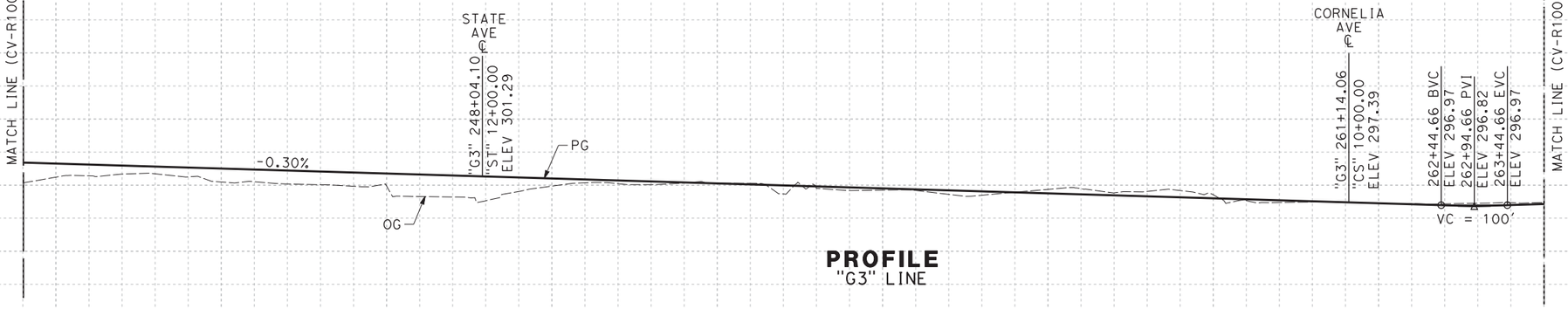
1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. SEE SHEET CV-R1014 FOR SHAW AVENUE.
3. SEE SHEETS CV-R1015 AND CV-R1016 FOR CORNELIA AND SANTA ANA AVENUES.

100 0 100 200
1"=100' HOR
SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY




**PROFILE**
"ST" LINE




**PROFILE**
"G3" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
PLAN AND PROFILE
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-R1008-GSB
SCALE AS SHOWN
SHEET NO.

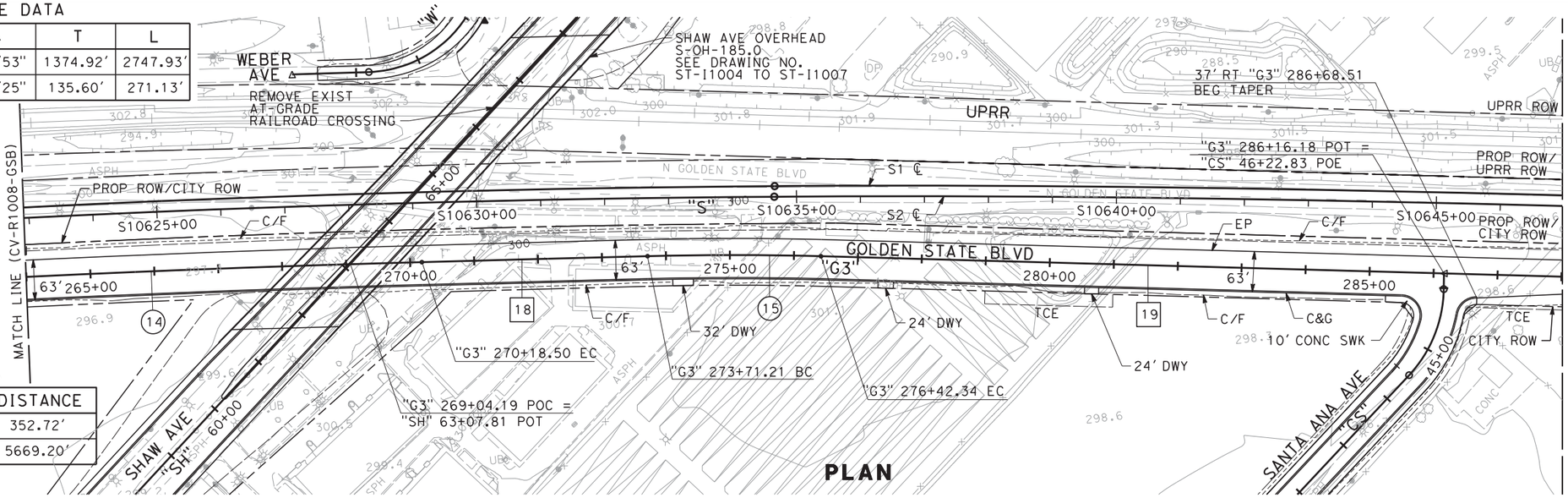
lwebster 11/17/2011 3:30:48 PM CAHSRP-R1.TBL CHSR_half_black.plt C:\Documents and Settings\lwebster\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1008-GSB.dgn

## CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (14) | 30000.00′ | 5°14′53" | 1374.92′ | 2747.93′ |
| (15) | 5000.00′ | 3°06′25" | 135.60′ | 271.13′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 18 | S 44°10′45" E | 352.72′ |
| 19 | S 41°04′20" E | 5669.20′ |

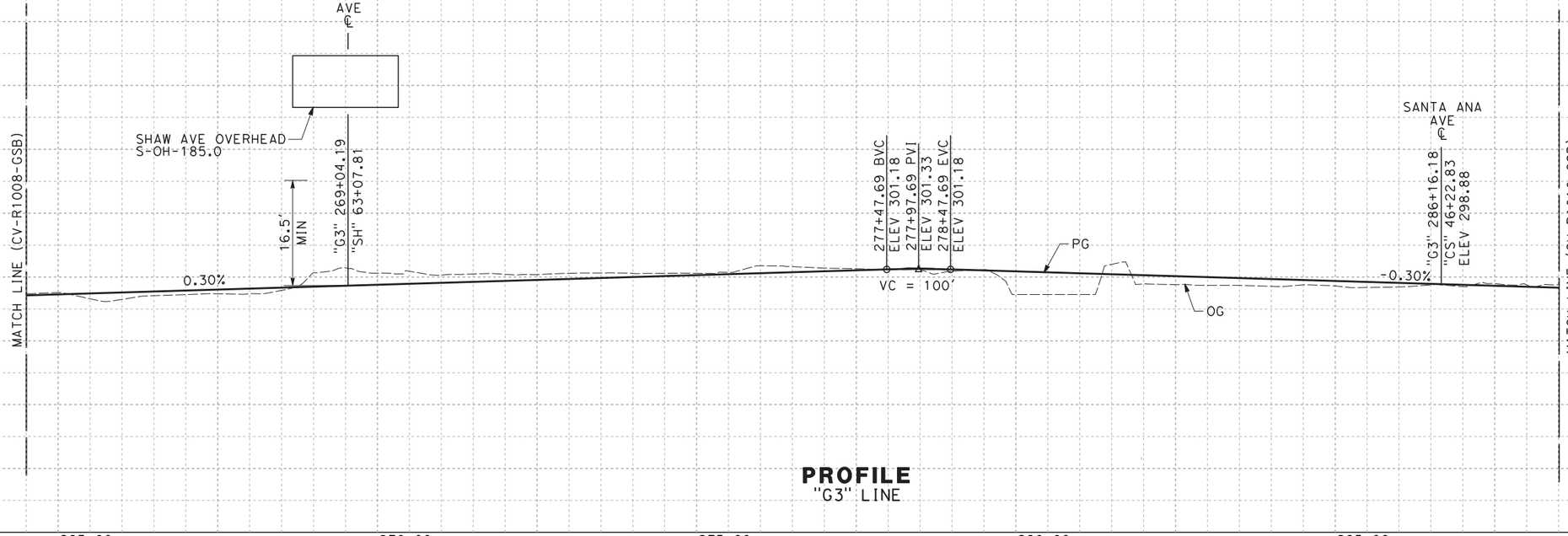



## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. SEE SHEETS CV-R1014-GSB & CV-R1015-GSB FOR SHAW AVENUE.
3. SEE SHEET CV-R1017-GSB FOR SANTA ANA AVENUES.

100 0 100 200
I"=100′ HOR
SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20
I"=10′ VERT
SCALE APPLICABLE FOR FULL SIZE ONLY




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PLAN AND PROFILE
GOLDEN STATE BOULEVARD

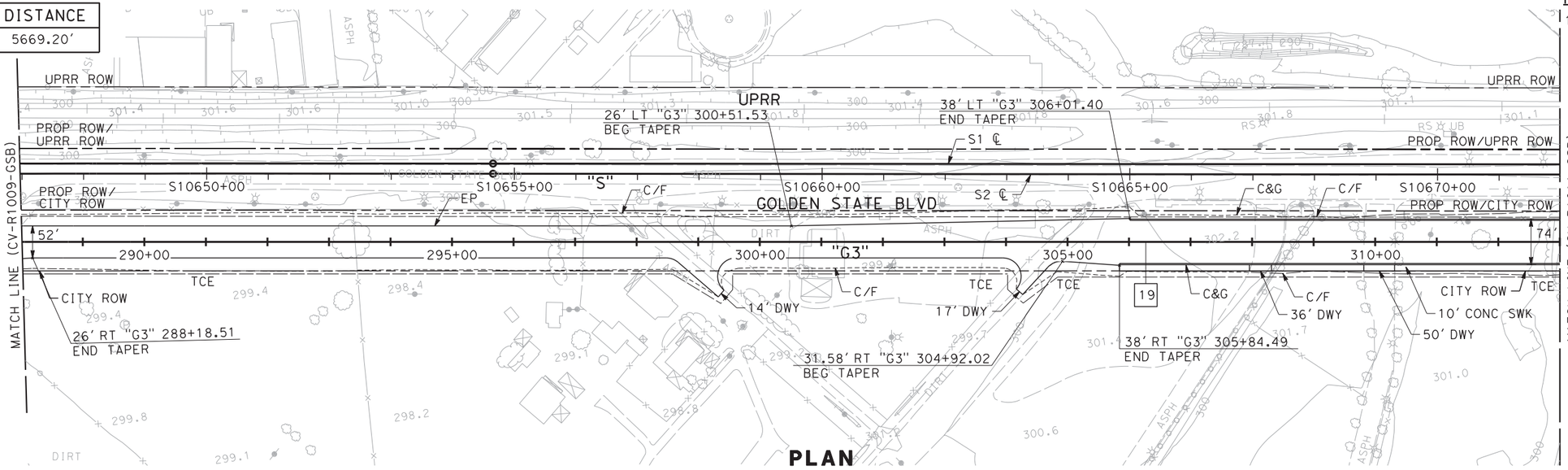
CONTRACT NO.
DRAWING NO. CV-R1009-GSB
SCALE AS SHOWN
SHEET NO.

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CAHSRP-R1.TBL CHSR_half_black.plt
11/17/2011 3:38:31 PM
webster

LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 19 | S 41°04'20" E | 5669.20' |



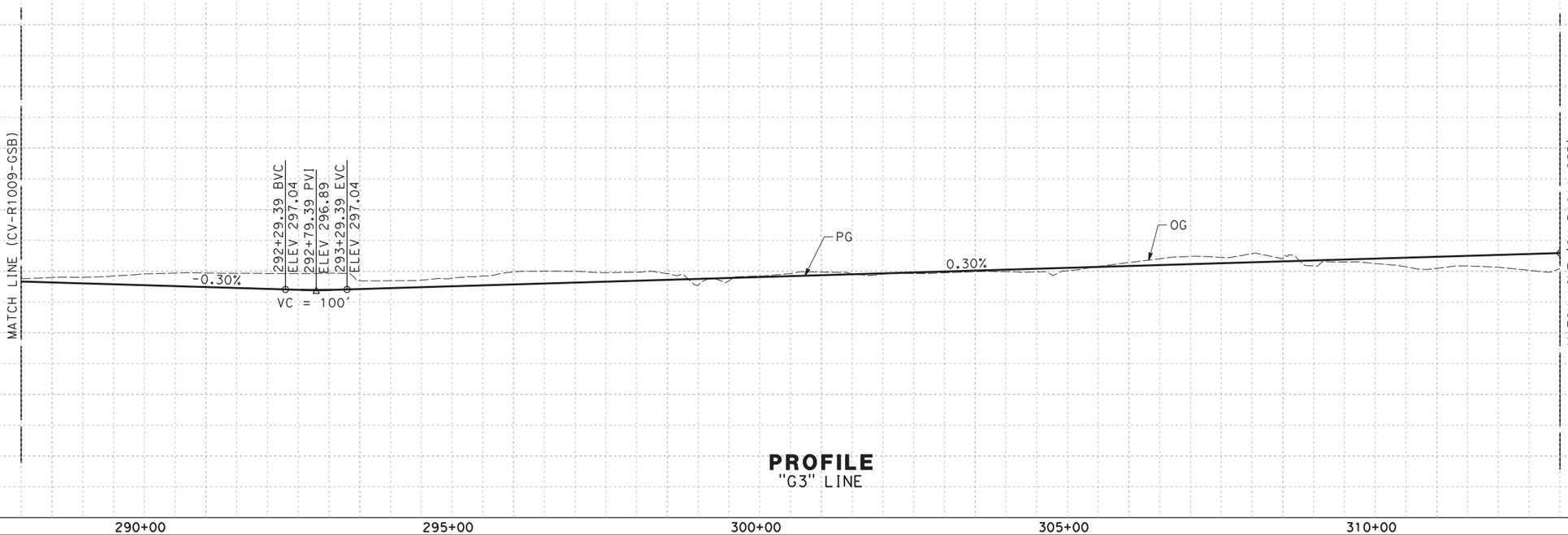

PLAN

NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.

100 0 100 200
1"=100' HOR
SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY




PROFILE
"G3" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PLAN AND PROFILE
GOLDEN STATE BOULEVARD

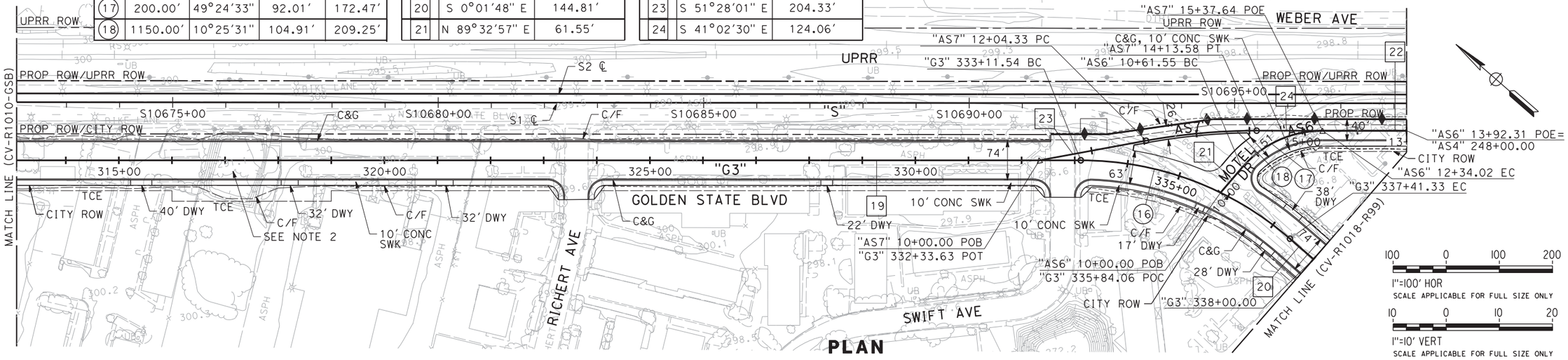
CONTRACT NO.
DRAWING NO. CV-R1010-GSB
SCALE AS SHOWN
SHEET NO.

| CURVE DATA | | | | |
|---|---|---|---|---|
| NO. | R | Δ | T | L |
| 16 | 600.00′ | 41°02′32" | 224.58′ | 429.79′ |
| 17 | 200.00′ | 49°24′33" | 92.01′ | 172.47′ |
| 18 | 1150.00′ | 10°25′31" | 104.91′ | 209.25′ |

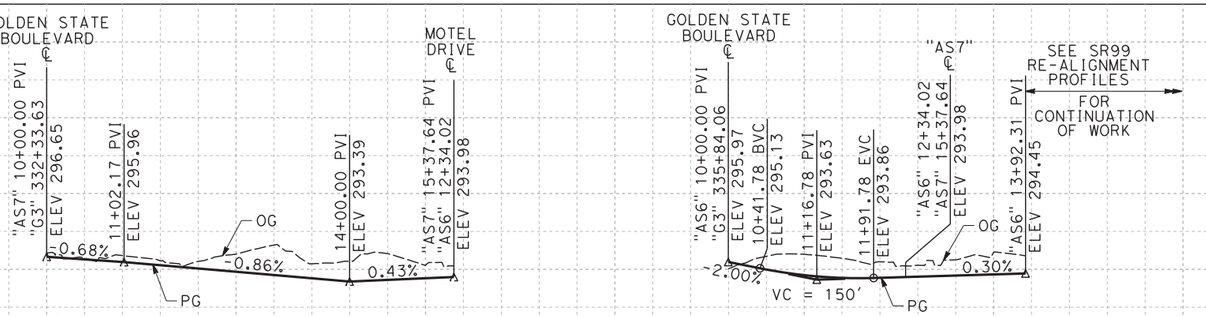
| LINE DATA | | |
|---|---|---|
| NO. | BEARING | DISTANCE |
| 19 | S 41°04′20" E | 5669.20′ |
| 20 | S 0°01′48" E | 144.81′ |
| 21 | N 89°32′57" E | 61.55′ |

| LINE DATA | | |
|---|---|---|
| NO. | BEARING | DISTANCE |
| 22 | S 41°02′30" E | 158.29′ |
| 23 | S 51°28′01" E | 204.33′ |
| 24 | S 41°02′30" E | 124.06′ |

NOTES:
1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. EXISTING PRIVATE BASIN TO BE RELOCATED PRIOR TO CONSTRUCTION. SEE SPECIAL PROVISIONS FOR DETAIL REQUIREMENTS.

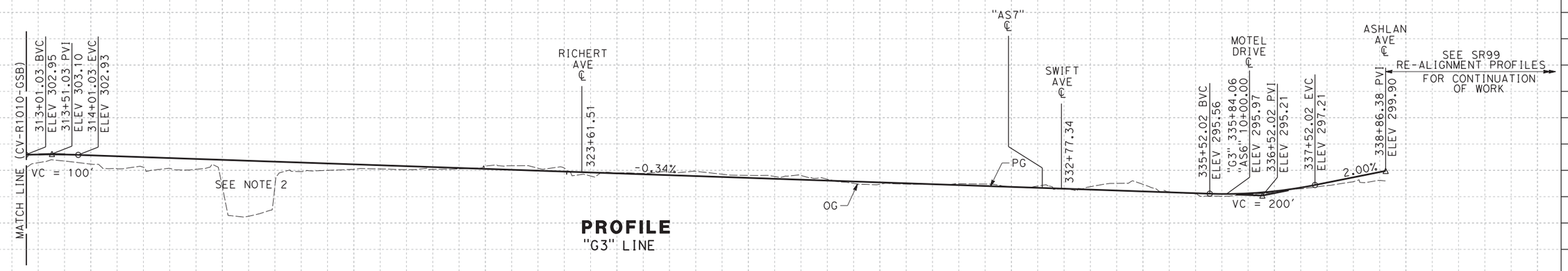



PLAN




PROFILE
"AS7" LINE

PROFILE
"AS6" LINE




PROFILE
"G3" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

PROPOSED PRELIMINARY DESIGN
NOT FOR CONSTRUCTION


AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL


CALIFORNIA HIGH-SPEED RAIL AUTHORITY

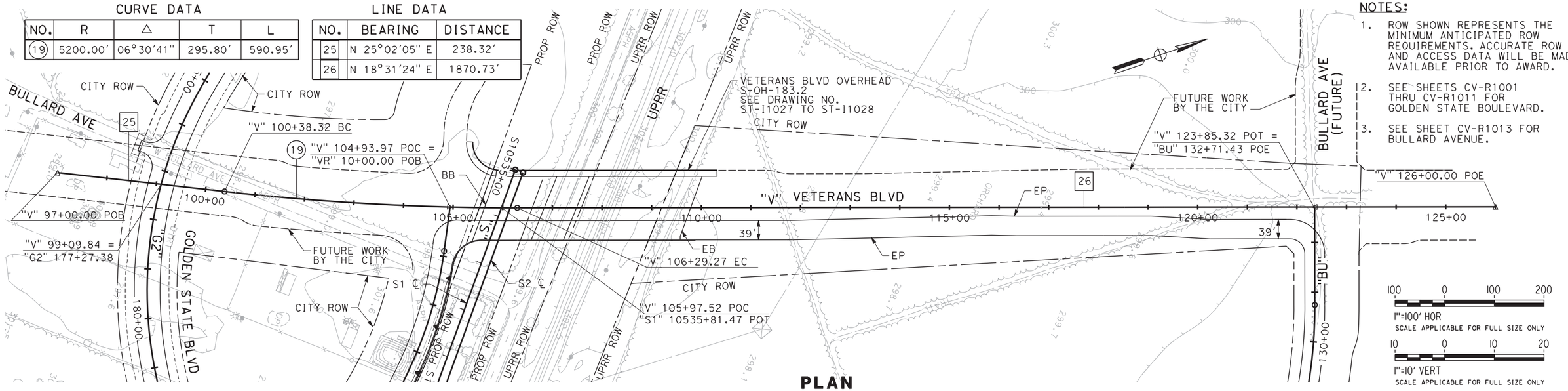
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PLAN AND PROFILE
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-R1011-GSB
SCALE AS SHOWN
SHEET NO.


lwebster 11/17/2011 3:40:33 PM CAHSRP-R1.TBL CHSR_half_black.plt C:\Documents and Settings\lwebster\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1011-GSB.dgn

| CURVE DATA | | | | |
|---|---|---|---|---|
| NO. | R | Δ | T | L |
| (19) | 5200.00′ | 06°30′41″ | 295.80′ | 590.95′ |

| LINE DATA | | |
|---|---|---|
| NO. | BEARING | DISTANCE |
| 25 | N 25°02′05″ E | 238.32′ |
| 26 | N 18°31′24″ E | 1870.73′ |




**PLAN**

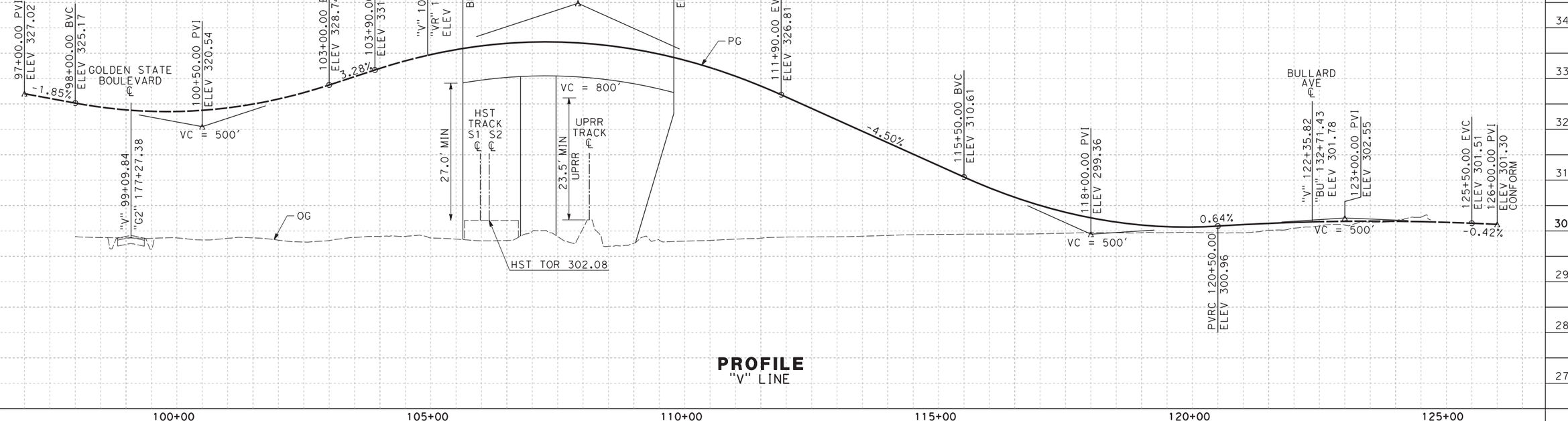
NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. SEE SHEETS CV-R1001 THRU CV-R1011 FOR GOLDEN STATE BOULEVARD.
3. SEE SHEET CV-R1013 FOR BULLARD AVENUE.

100 0 100 200
1"=100′ HOR
SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20
1"=10′ VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

INFORMATION SHOWN ON THIS SHEET IS BASED ON 15% DESIGN. DESIGN IS IN-PROGRESS AND SUBJECT TO REVISIONS BY THE CITY OF FRESNO.




**PROFILE**
"V" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
PLAN AND PROFILE
VETERANS BOULEVARD

CONTRACT NO.
DRAWING NO. CV-R1012-GSB
SCALE AS SHOWN
SHEET NO.

lwebster 11/17/2011 3:42:32 PM C:\Documents and Settings\lwebster\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1012-GSB.dgn CAHSRP-R1.TBL CHSR_half_black.plt

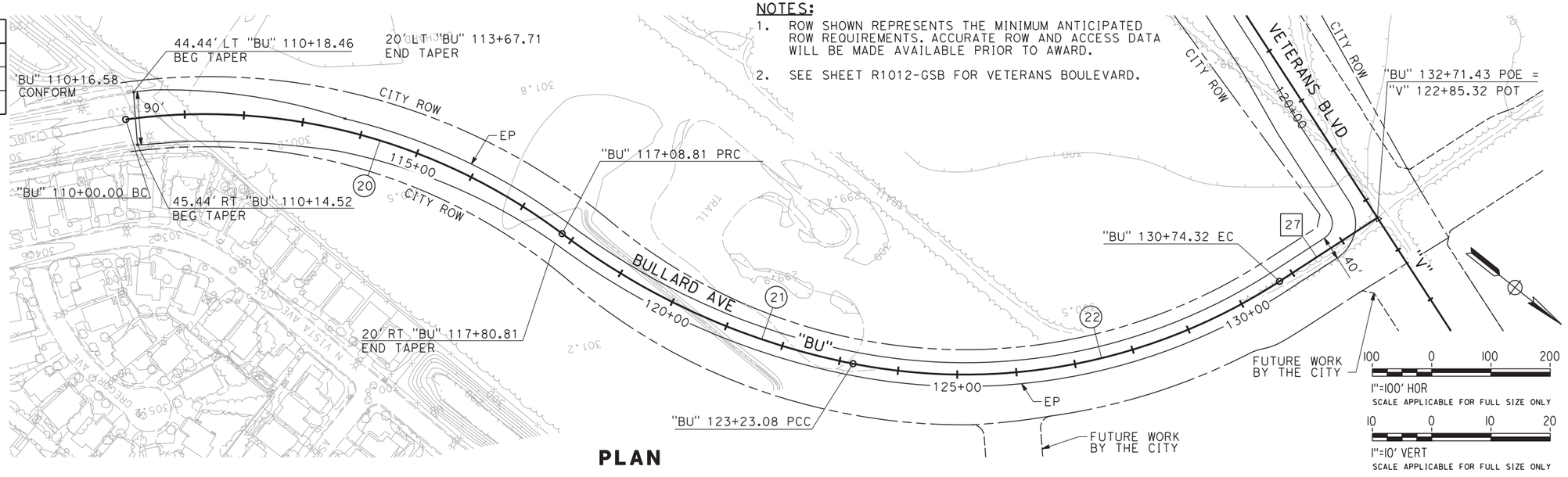
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CAHSRP-R1.TBL CHSR_half_black.plt
11/17/2011 3:44:44 PM
lwebster

## CURVE DATA

| NO. | R | △ | T | L |
|---|---|---|---|---|
| (20) | 1000.00′ | 44°44′13" | 411.53′ | 780.81′ |
| (21) | 1200.00′ | 25°53′30 | 275.85′ | 542.27′ |
| (22) | 975.00′ | 44°08′47" | 395.38′ | 751.24′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 27 | N 71°31′07" W | 197.11′ |

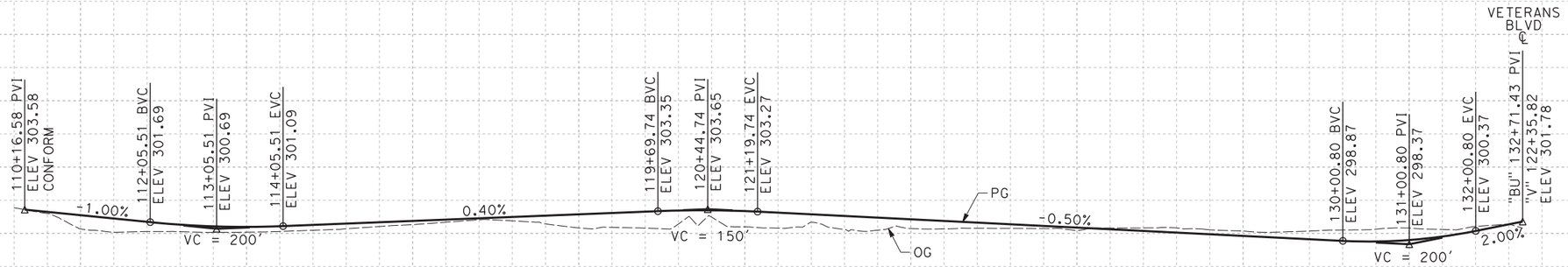



**PLAN**

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. SEE SHEET R1012-GSB FOR VETERANS BOULEVARD.

INFORMATION SHOWN ON THIS SHEET IS BASED ON 15% DESIGN. DESIGN IS IN-PROGRESS AND SUBJECT TO REVISIONS BY THE CITY OF FRESNO.




**PROFILE**
"BU" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM
Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PLAN AND PROFILE
BULLARD AVENUE

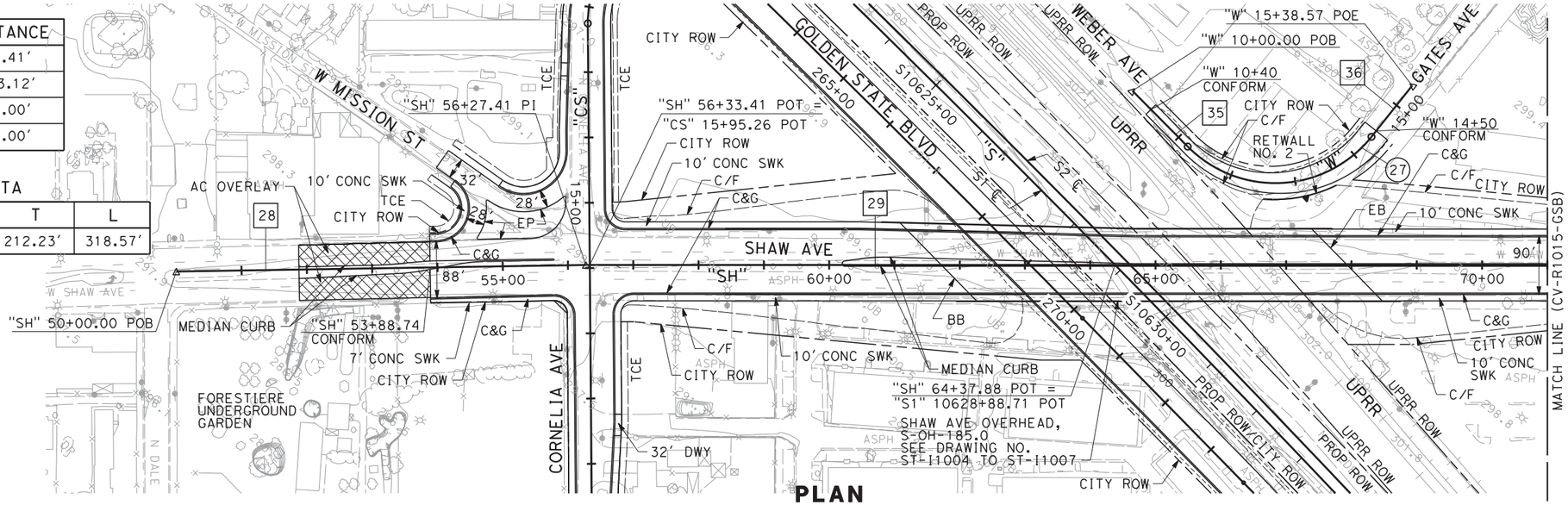
CONTRACT NO.
DRAWING NO. CV-R1013-GSB
SCALE AS SHOWN
SHEET NO.

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 28 | N 89°17'00" E | 627.41' |
| 29 | N 89°47'18" E | 2553.12' |
| 35 | S 44°47'18" E | 120.00' |
| 36 | N 38°46'24" E | 100.00' |

## CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (27) | 188.75' | 96°42'09" | 212.23' | 318.57' |




**PLAN**

### NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. SEE SHEETS CV-R1001-GSB THRU CV-R1011-GSB FOR GOLDEN STATE BLVD.
3. SEE SHEET CV-R1016-GSB FOR CORNELIA AVENUE.
4. CONSTRUCT SIDEWALK RAMPS AND LANDING IN ACCORDANCE WITH REQUIREMENTS PER "2010 ADA STANDARDS FOR ACCESSIBLE DESIGN".

100 0 100 200
1"=100' HOR
SCALE APPLICABLE FOR FULL SIZE ONLY

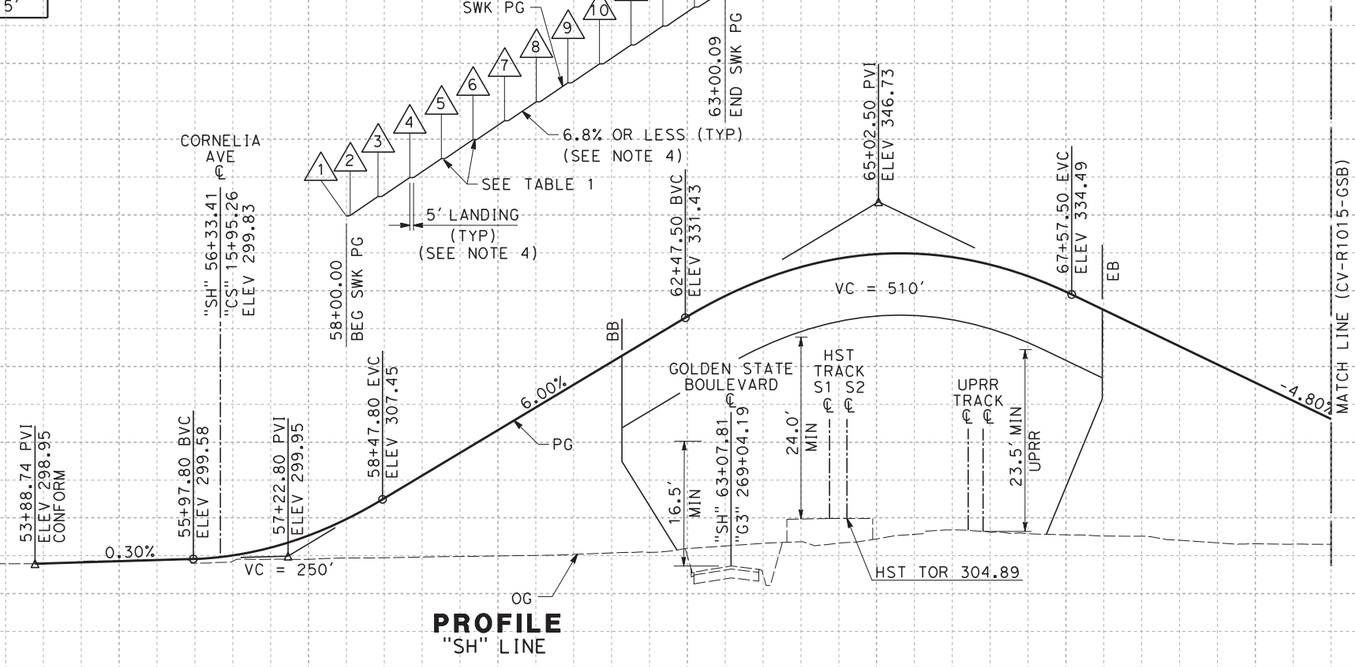
10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

## RETAINING WALL DATA

| NO. | LOCATIONS BEGIN | LOCATIONS END | LENGTH | MAX HEIGHT |
|---|---|---|---|---|
| 2 | 25.00' RT "WG" 12+45.00 | 25.00' RT "WG" 13+70.00 | 140' | 15' |

## TABLE 1

| NO. | STA | LT SWK ELEV | RT SWK ELEV |
|---|---|---|---|
| 1 | 58+00.00 | 304.18 | 304.40 |
| 2 | 58+05.00 | 304.29 | 304.51 |
| 3 | 58+41.76 | 306.79 | 307.01 |
| 4 | 58+83.53 | 309.29 | 309.51 |
| 5 | 59+25.29 | 311.79 | 312.01 |
| 6 | 59+67.06 | 314.29 | 314.51 |
| 7 | 60+08.82 | 316.79 | 317.01 |
| 8 | 60+50.59 | 319.29 | 319.51 |
| 9 | 60+92.35 | 321.79 | 322.01 |
| 10 | 61+34.12 | 324.29 | 324.51 |
| 11 | 61+75.88 | 326.79 | 327.01 |
| 12 | 62+17.65 | 329.29 | 329.51 |
| 13 | 62+59.41 | 331.79 | 332.01 |
| 14 | 62+95.09 | 333.76 | 333.85 |
| 15 | 63+00.09 | 333.76 | 333.85 |




**PROFILE**
"SH" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

PROPOSED PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

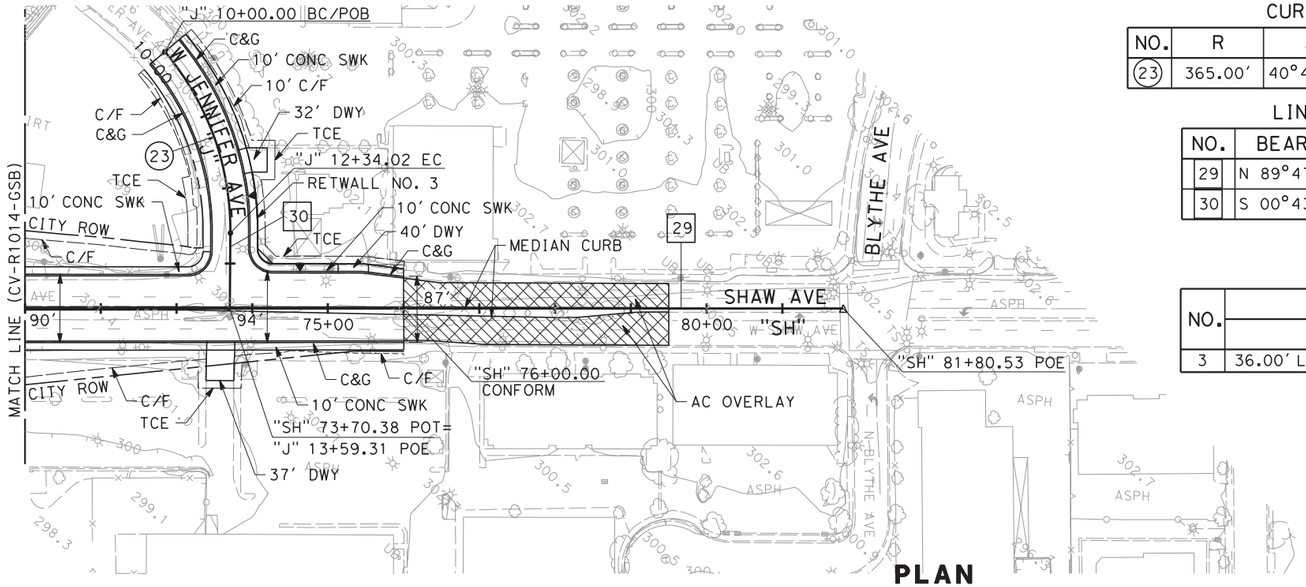
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PLAN AND PROFILE
SHAW AVENUE

CONTRACT NO.
DRAWING NO. CV-R1014-GSB
SCALE AS SHOWN
SHEET NO.

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2/17/2012 9:34:43 AM CAHSRP-R1.TBL CHSR_half_black-pdf995.ctb sleong




**PLAN**

## CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (23) | 365.00′ | 40°47′18" | 135.70′ | 259.84′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 29 | N 89°47′18" E | 2553.12′ |
| 30 | S 00°43′44" W | 99.47′ |

## RETAINING WALL DATA

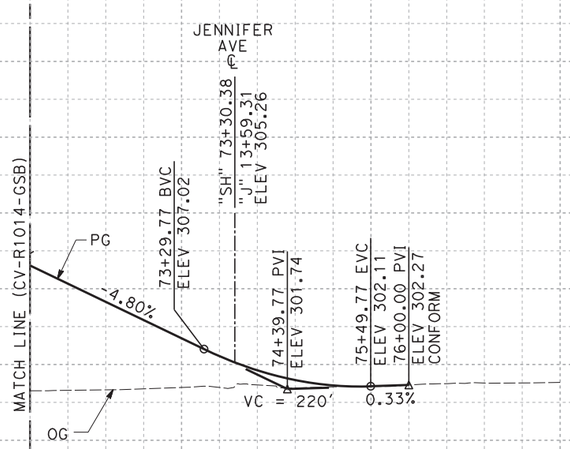
| NO. | LOCATIONS | | LENGTH | MAX HEIGHT |
|---|---|---|---|---|
| | BEGIN | END | | |
| 3 | 36.00′ LT "J" 11+86.00 | 59.00′ LT "SH" 75+13.40′ | 220′ | 2′ |

## NOTES:

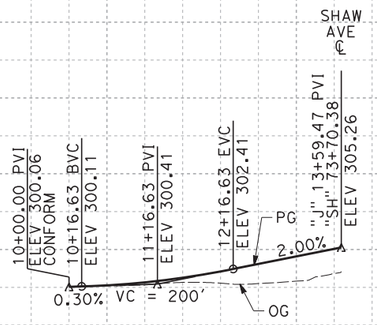
1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. SEE SHEETS CV-R1001-GSB THRU CV-R1011-GSB FOR GOLDEN STATE BLVD.
3. SEE SHEET CV-R1016-GSB FOR CORNELIA AVENUE.

100 0 100 200
1"=100′ HOR
SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20
1"=10′ VERT
SCALE APPLICABLE FOR FULL SIZE ONLY




**PROFILE**
"SH" LINE




**PROFILE**
"J" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
PLAN AND PROFILE
SHAW AVENUE

CONTRACT NO.
DRAWING NO. CV-R1015-GSB
SCALE AS SHOWN
SHEET NO.

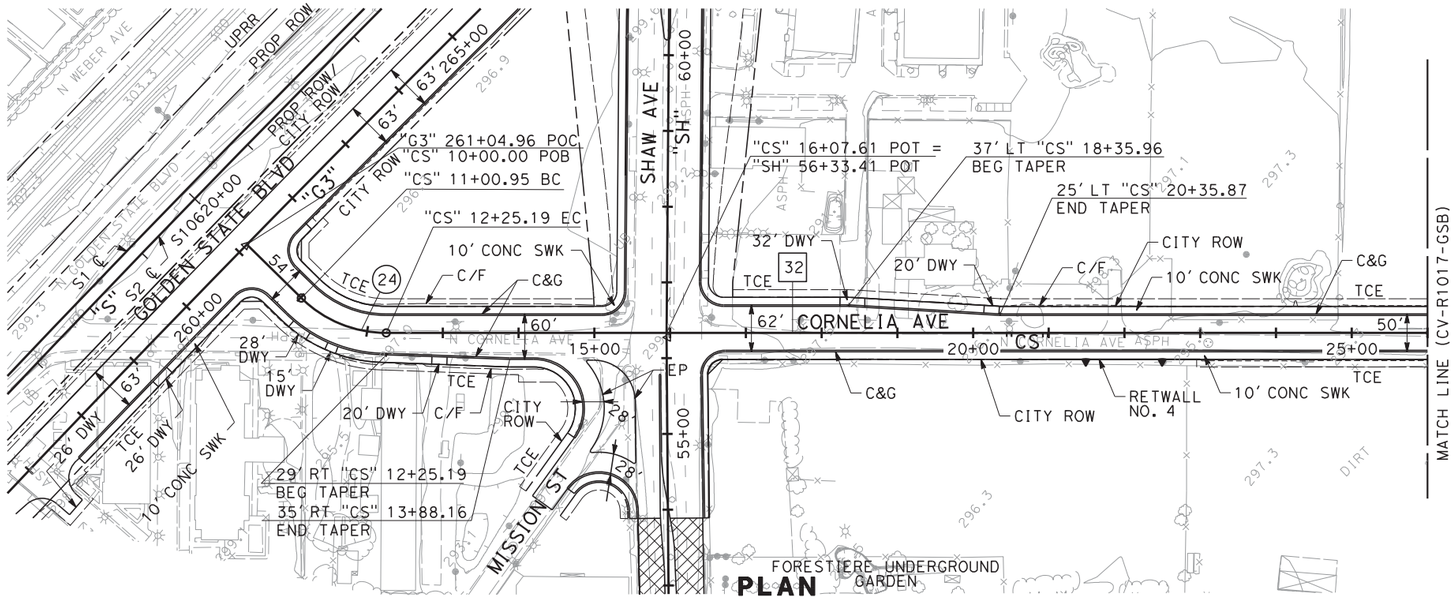
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sleong
2/15/2012 5:30:58 PM
CAHSRP-R1.TBL CHSR_half_black-pdf995.pen

## CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (24) | 160.00′ | 44°29′15" | 65.44′ | 124.23′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 31 | S 44°14′32" E | 100.95′ |
| 32 | S 0°14′44" E | 1378.77′ |




**PLAN**

## NOTES:

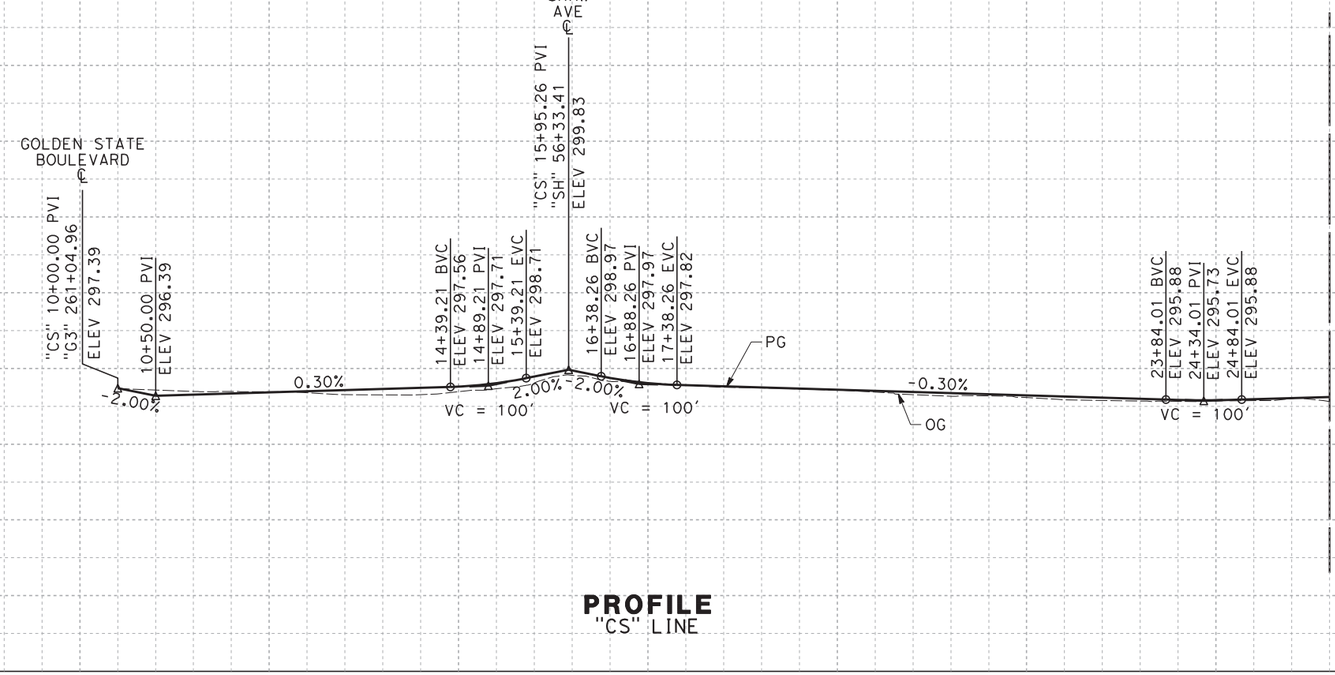
1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. SEE SHEETS CV-R1001-GSB THRU CV-R1011-GSB FOR GOLDEN STATE BLVD.
3. SEE SHEETS CV-R1014-GSB AND CV-R1015-GSB FOR SHAW AVENUE.

100 0 100 200
1"=100′ HOR
SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20
1"=10′ VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

## RETAINING WALL DATA

| NO. | LOCATIONS BEGIN | LOCATIONS END | LENGTH | MAX HEIGHT |
|---|---|---|---|---|
| 4 | 35.00′ RT "CS" 20+90.00 | 35.00′ RT "CS" 23+00.00 | 210′ | 2′ |




**PROFILE**
"CS" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**
**NOT FOR CONSTRUCTION**


AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL


CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
PLAN AND PROFILE
CORNELIA AVENUE/SANTA ANA AVENUE

CONTRACT NO.
DRAWING NO. CV-R1016-GSB
SCALE AS SHOWN
SHEET NO.

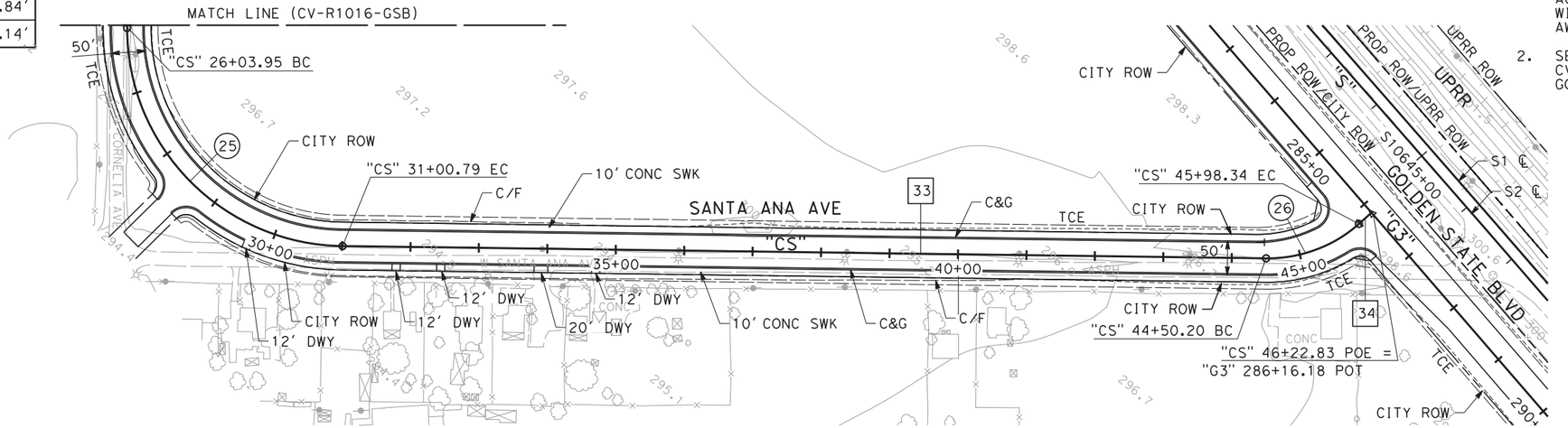

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## CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (25) | 319.00′ | 89°14′16" | 314.78′ | 496.84′ |
| (26) | 200.00′ | 42°26′19" | 77.65′ | 148.14′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 33 | S 89°29′00" E | 1349.41′ |
| 34 | N 48°00′38" E | 24.49′ |



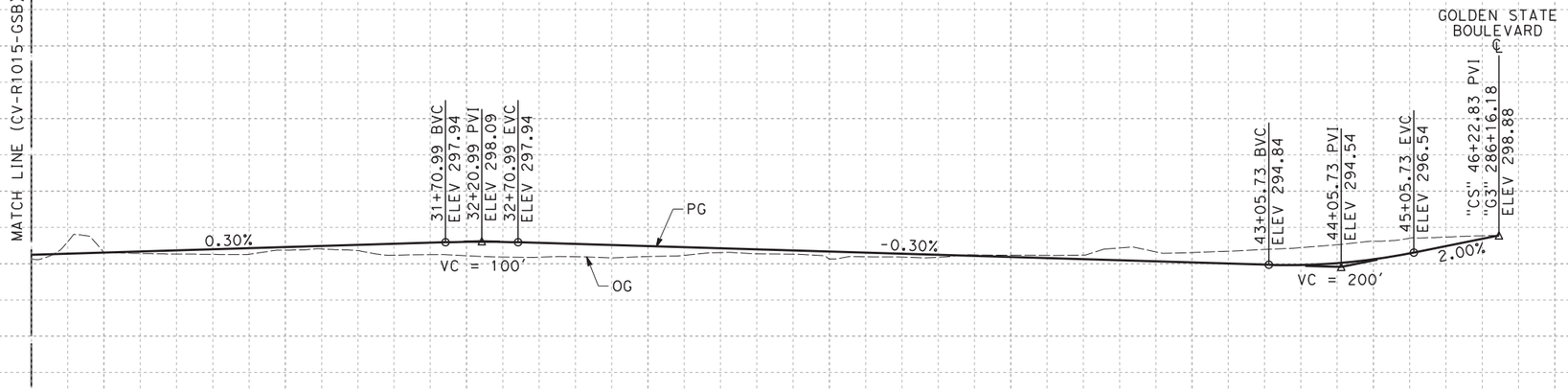

## PLAN

### NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. SEE SHEETS CV-R1001-GSB THRU CV-R1011-GSB FOR GOLDEN STATE BLVD.

100 0 100 200
1"=100′ HOR
SCALE APPLICABLE FOR FULL SIZE ONLY

10 0 10 20
1"=10′ VERT
SCALE APPLICABLE FOR FULL SIZE ONLY




## PROFILE
"CS" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

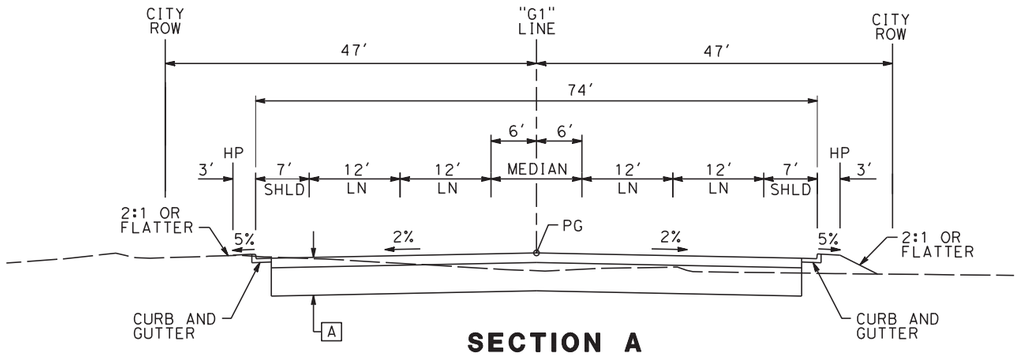
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PLAN AND PROFILE
CORNELIA AVENUE/SANTA ANA AVENUE

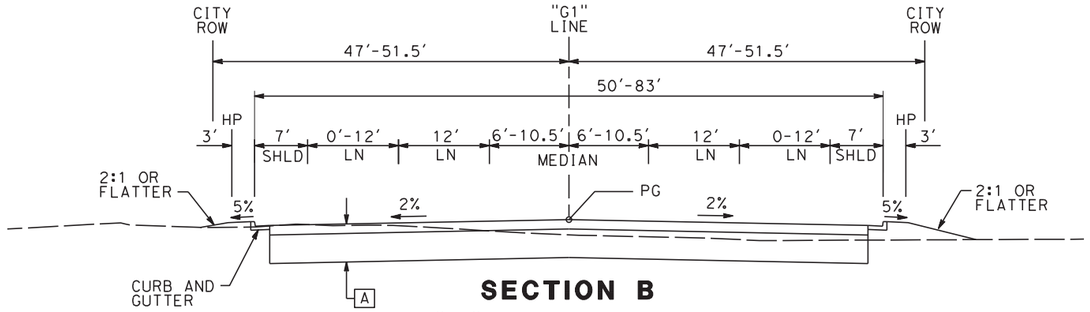
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SHEET NO.

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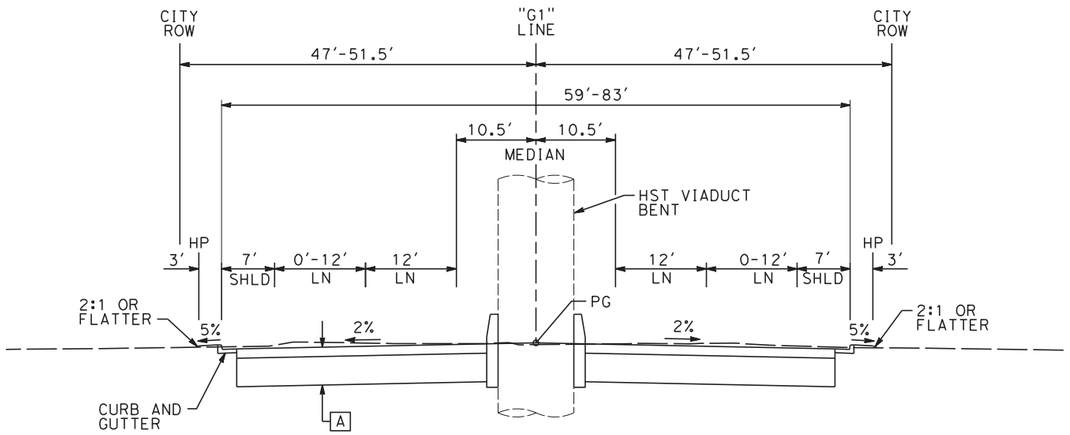

## SECTION A

"G1" 100+00 TO 104+50




## SECTION B

"G1" 104+50 TO 107+70
"G1" 108+10 TO 113+00
"G1" 134+25 TO 136+05 (SEE NOTE 3)
"G1" 136+45 TO 142+09 (SEE NOTE 3)




## SECTION C

"G1" 107+70 TO 108+10
"G1" 136+05 TO 136+45 (SEE NOTE 3)

**NOTES:**

1. GOLDEN STATE BLVD ULTIMATE STREET WIDTH/CLASSIFICATION SUBJECT TO VERIFICATION.
2. RIGHT OF WAY WIDTH BASED ON CITY OF FRESNO UNDIVIDED COLLECTORS (NEW GROWTH AREA) TYPICAL STREET CROSS-SECTION.
3. EXISTING STORM WATER BASIN ADJACENT TO GOLDEN STATE BLVD TO BE MODIFIED FROM STA 134+00 TO 141+00. SEE GRADING AND DRAINAGE PLANS FOR DETAILS OF MODIFICATIONS

[A] 0.40' HMA OVER 1.15' AB

[B] 0.55' HMA OVER 1.45' AB

| LIMITS OF AC DIKE | |
|---|---|
| STREET ALIGNMENT DESIGNATION AND STATION LIMITS | RT EP OR LT EP |
| "G1" 142+10 TO 160+00 | LT |
| "G1" 142+10 TO 160+00 | RT |
| "G2" 160+00 TO 192+00 | LT |
| "G2" 160+00 TO 188+00 | RT |
| "G3" 192+00 TO 306+00 | LT |
| "G3" 234+20 TO 257+50 | RT |
| "G3" 286+50 TO 305+90 | RT |

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

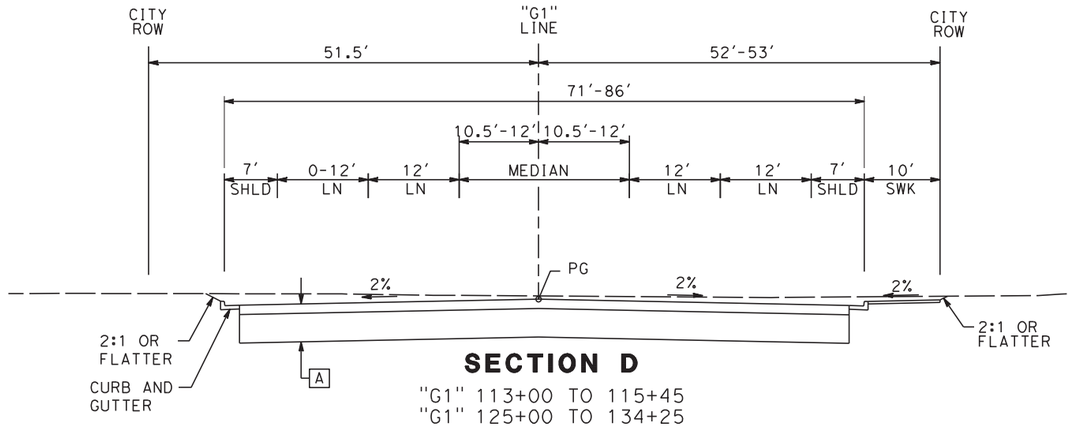
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTION
GOLDEN STATE BOULEVARD

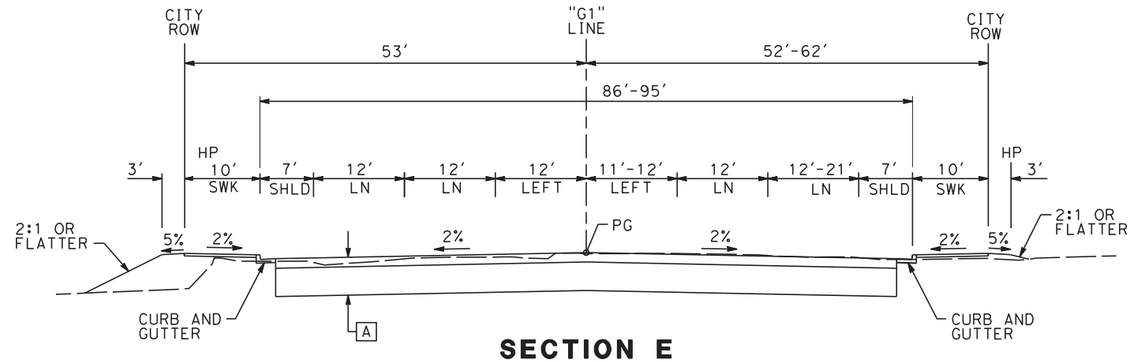
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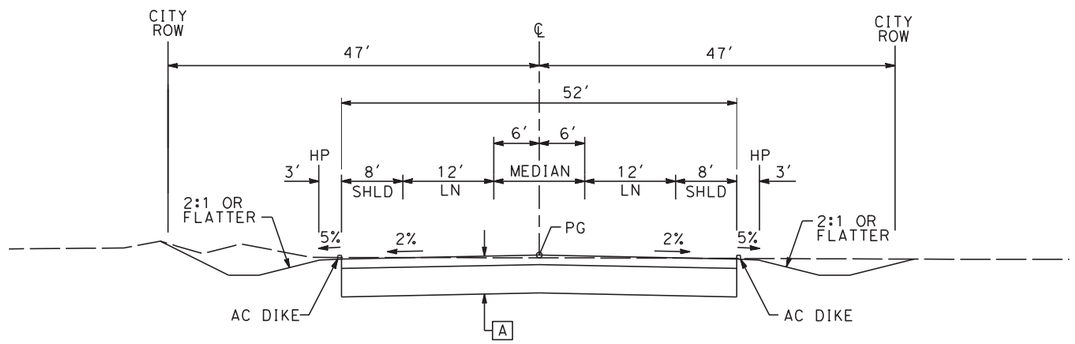

## SECTION D

"G1" 113+00 TO 115+45
"G1" 125+00 TO 134+25




## SECTION E

"G1" 115+45 TO 119+09.50




## SECTION F

"G1" 142+09 TO 160+00
"G2" 160+00 TO 185+00
"G3" 286+50 TO 303+75

**NOTES:**

A 0.40' HMA OVER 1.15' AB

B 0.55' HMA OVER 1.45' AB

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

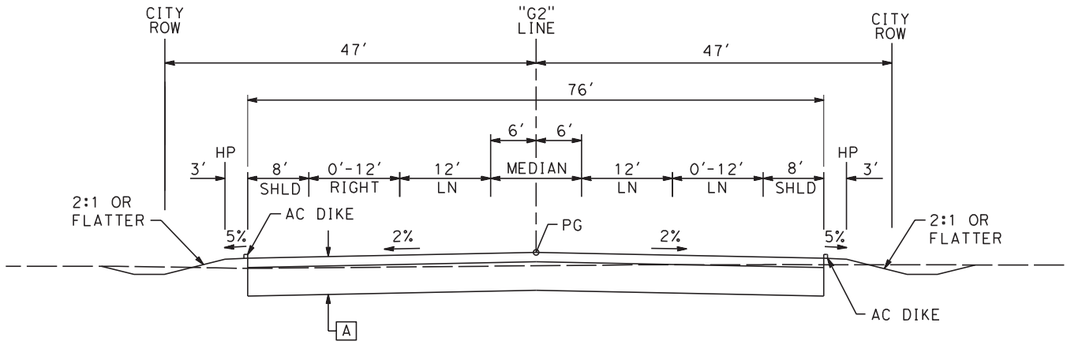
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
TYPICAL SECTION
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-R3002-GSB
SCALE AS SHOWN
SHEET NO.

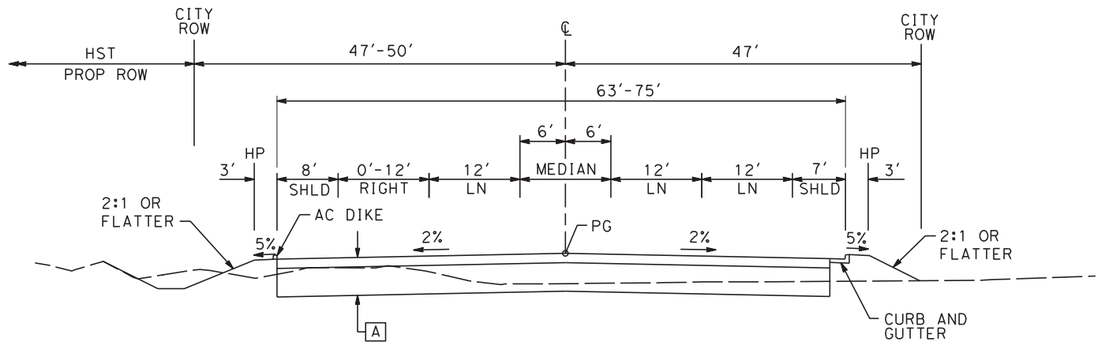
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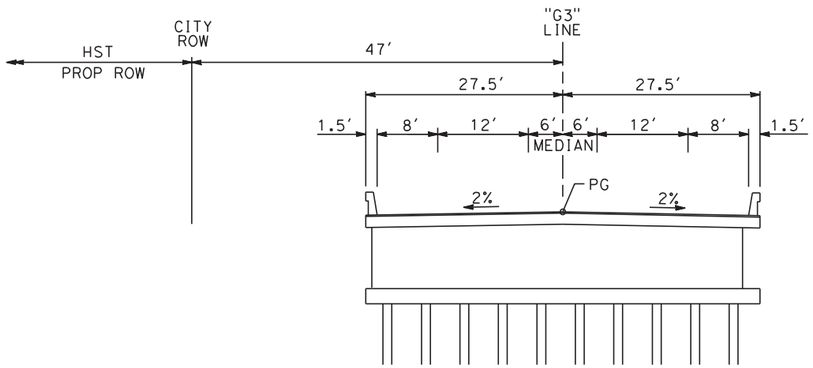

## SECTION G

"G2" 185+00 TO 188+00




## SECTION H

"G2" 188+00 TO 192+00
"G3" 192+00 TO 233+50 (SEE NOTE 1)




HERNDON CANAL BRIDGE

## SECTION I

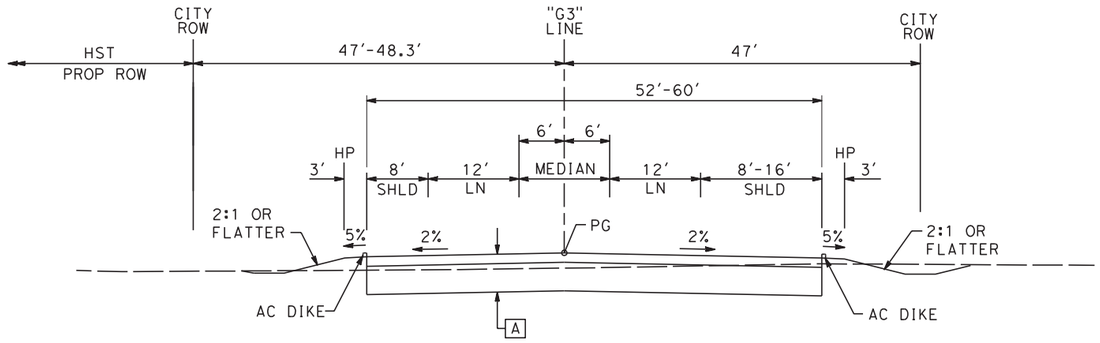
"G3" 233+50 TO 234+20

### NOTES:

1. EXISTING STORM WATER BASIN ADJACENT TO GOLDEN STATE BLVD TO BE MODIFIED FROM STA 194+50 TO 197+00. SEE GRADING AND DRAINAGE PLANS FOR DETAILS OF MODIFICATIONS

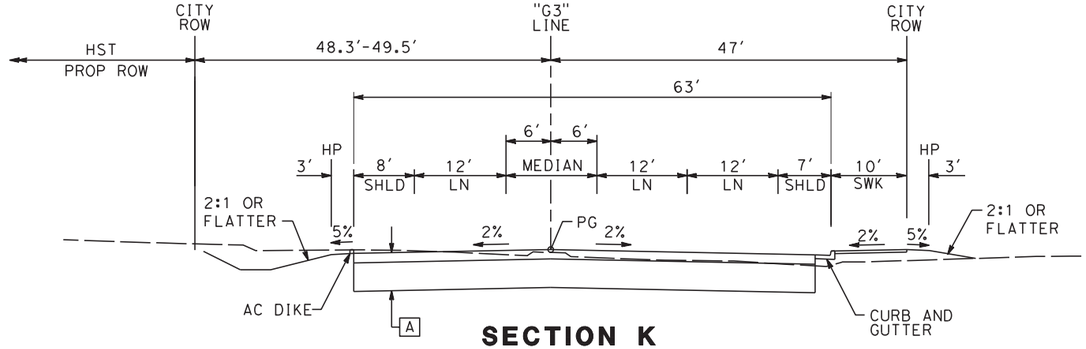
[A] 0.40' HMA OVER 1.15' AB

[B] 0.55' HMA OVER 1.45' AB



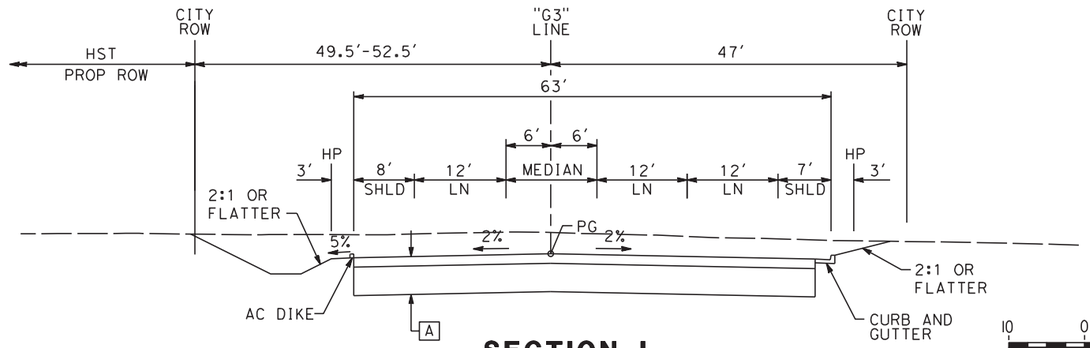

## SECTION J

"G3" 234+20 TO 257+50




## SECTION K

"G3" 257+50 TO 262+00




## SECTION L

"G3" 262+00 TO 286+50 (SEE NOTE 1)

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

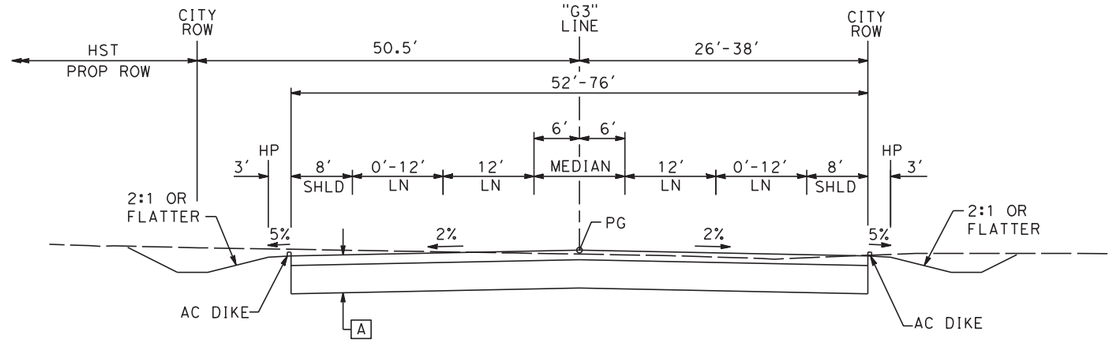
**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300 Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

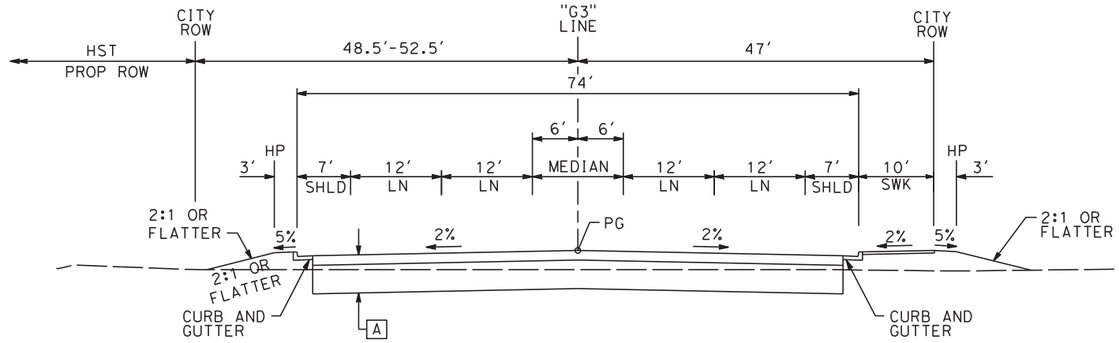
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
TYPICAL SECTION
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-R3003-GSB
SCALE AS SHOWN
SHEET NO.



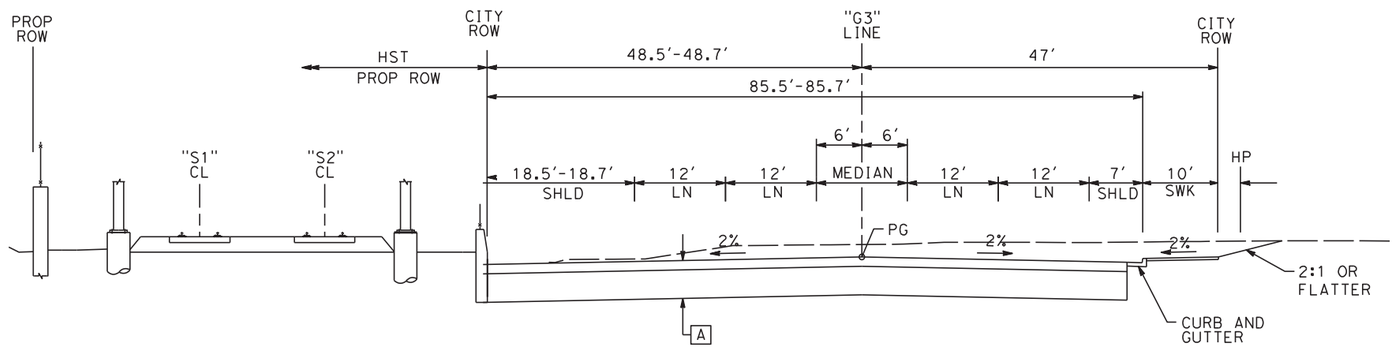

## SECTION M

"G3" 303+75 TO 305+90




## SECTION N

"G3" 305+90 TO 332+60 (SEE NOTE 1)




## SECTION O

"G3" 332+60 TO 333+60

**NOTES:**

1. EXISTING STORM WATER BASIN ADJACENT TO GOLDEN STATE BLVD TO BE MODIFIED FROM STA 279+50 TO 281+00 AND STA 317+00 TO 317+50. SEE GRADING AND DRAINAGE PLANS FOR DETAILS OF MODIFICATIONS

[A] 0.40' HMA OVER 1.15' AB

[B] 0.55' HMA OVER 1.45' AB

10 0 10 20

1"=10'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
TYPICAL SECTION
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-R3004-GSB
SCALE AS SHOWN
SHEET NO.

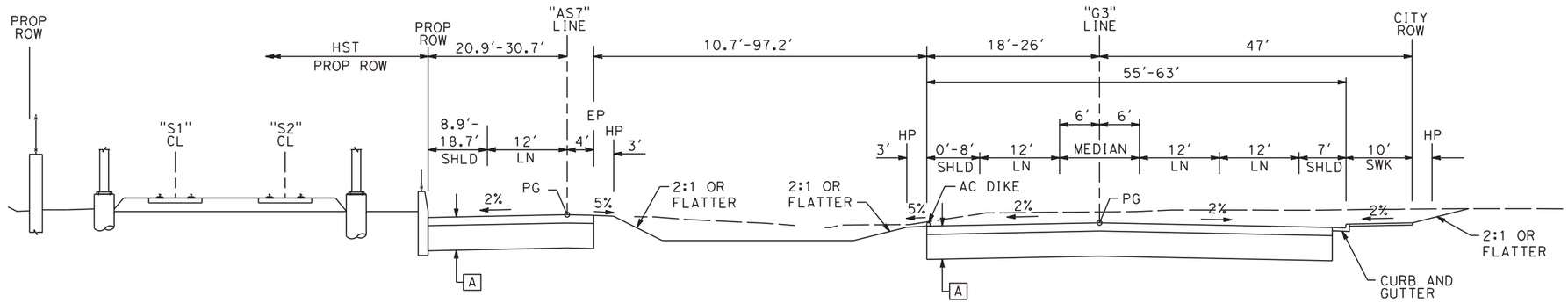
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NOTES:

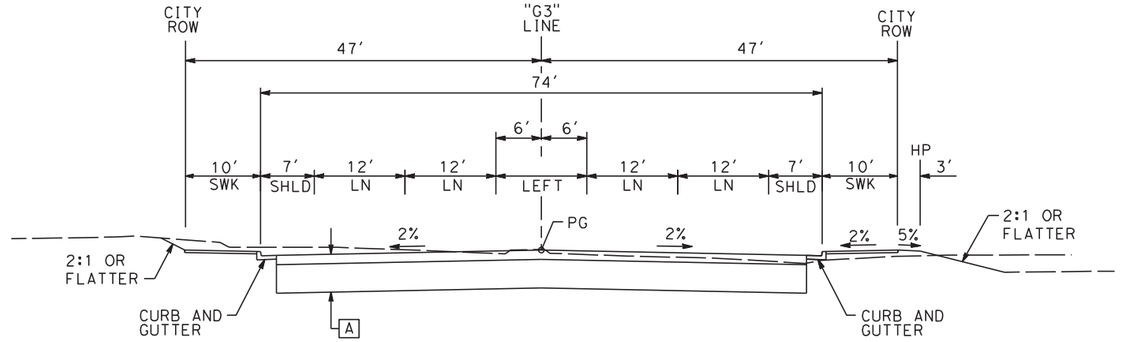
A 0.40' HMA OVER 1.15' AB

B 0.55' HMA OVER 1.45' AB




## SECTION P

"G3" 333+60 TO 335+75
"AS7" 11+80 TO 13+96




## SECTION Q

"G3" 335+75 TO 338+00

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

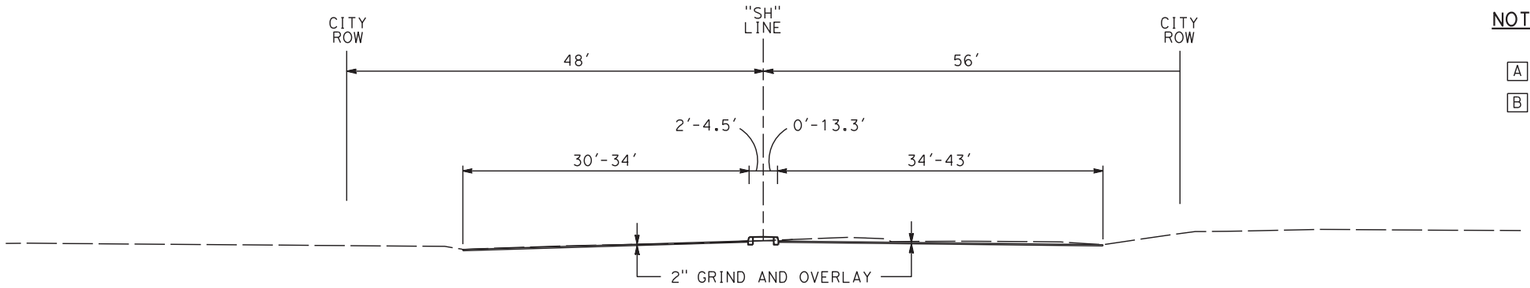
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
TYPICAL SECTION
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-R3005-GSB
SCALE AS SHOWN
SHEET NO.

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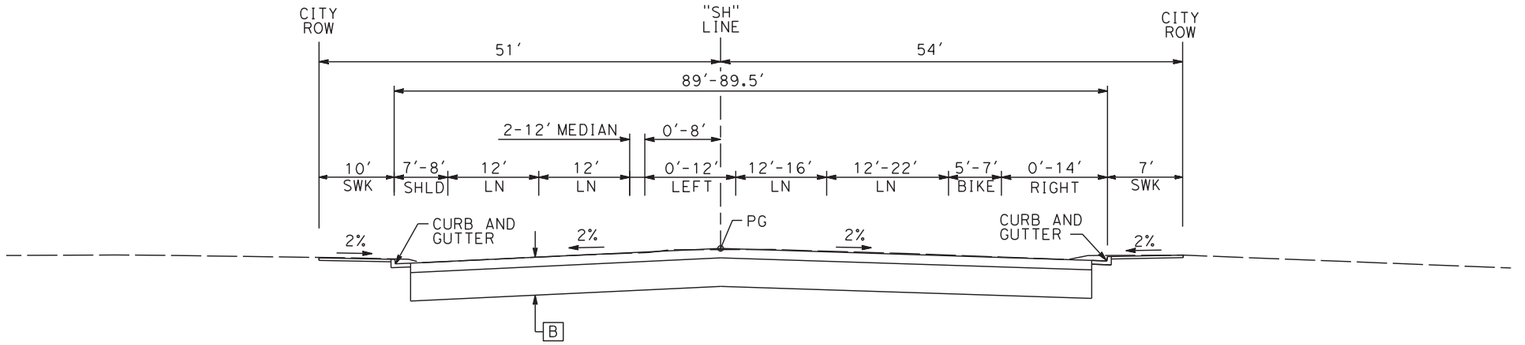

## SECTION AA

"SH" 51+88 TO 53+88

NOTES:

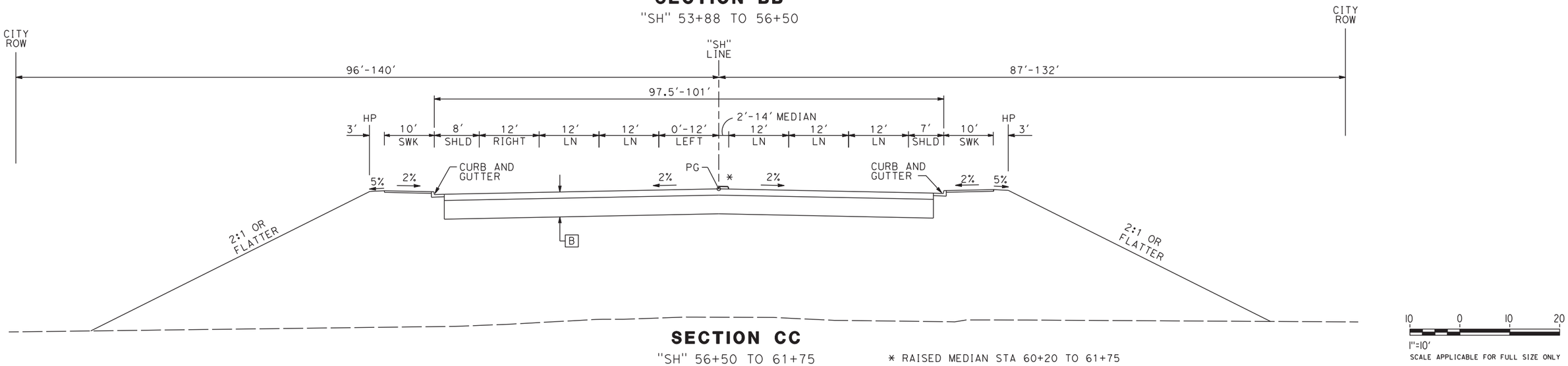
A 0.40' HMA OVER 1.15' AB

B 0.55' HMA OVER 1.45' AB




## SECTION BB

"SH" 53+88 TO 56+50




## SECTION CC

"SH" 56+50 TO 61+75

* RAISED MEDIAN STA 60+20 TO 61+75

10 0 10 20

1"=10'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

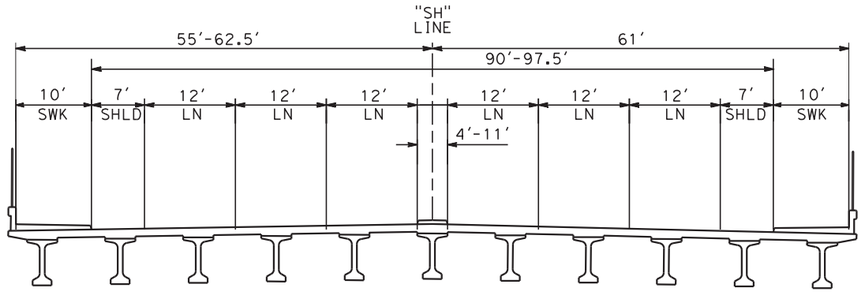
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
TYPICAL SECTION
SHAW AVENUE

CONTRACT NO.

DRAWING NO. CV-R3006-GSB

SCALE AS SHOWN

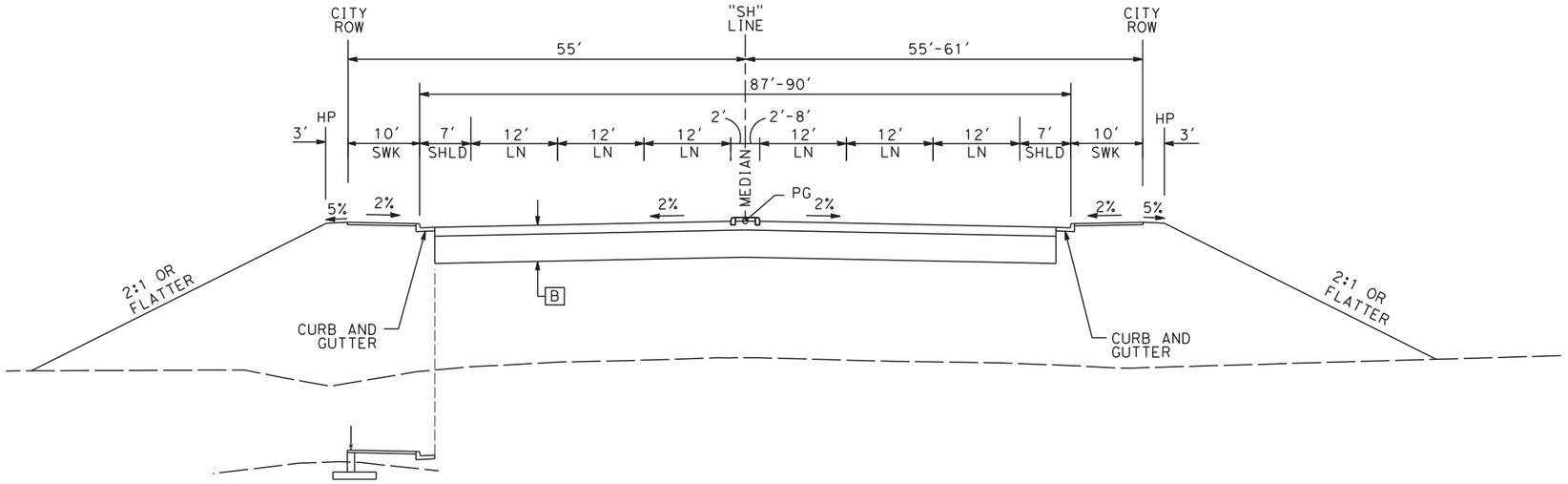
SHEET NO.




SHAW AVENUE OVERHEAD

## SECTION DD

"SH" 61+75 TO 68+00




"SH" 74+00 TO 75+00

## SECTION EE

"SH" 68+00 TO 76+00

NOTES:

A 0.40' HMA OVER 1.15' AB

B 0.55' HMA OVER 1.45' AB

10 0 10 20

1"=10'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTION
SHAW AVENUE

CONTRACT NO.

DRAWING NO. CV-R3007-GSB

SCALE AS SHOWN

SHEET NO.

sleong 11/16/2011 11:05:07 AM CAHSRP-R1.TBL CHSR_half_black-pdf995.ctb C:\Documents and Settings\sleong\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R3007-GSB.dgn

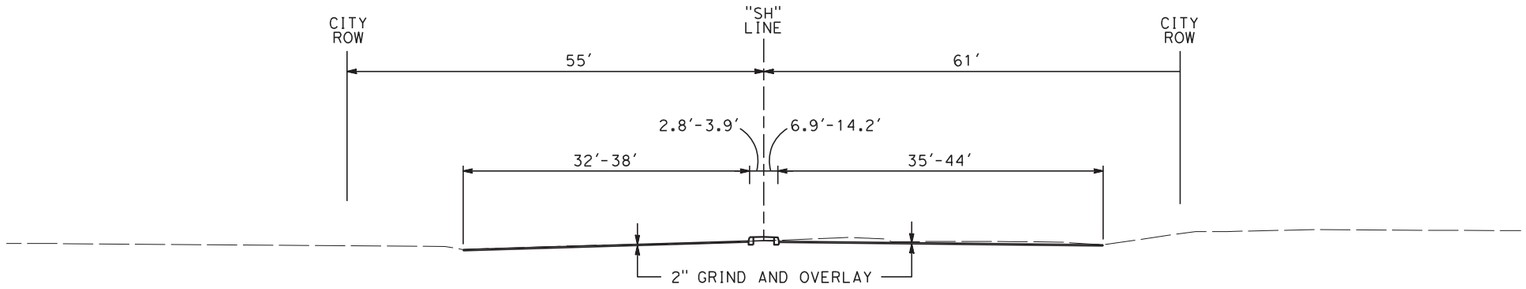
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12/6/2011 10:37:38 AM CAHSRP-R1.TBL CHSR_half_black-pdf995.ctb C:\Documents and Settings\sleong

NOTES:

[A] 0.40' HMA OVER 1.15' AB

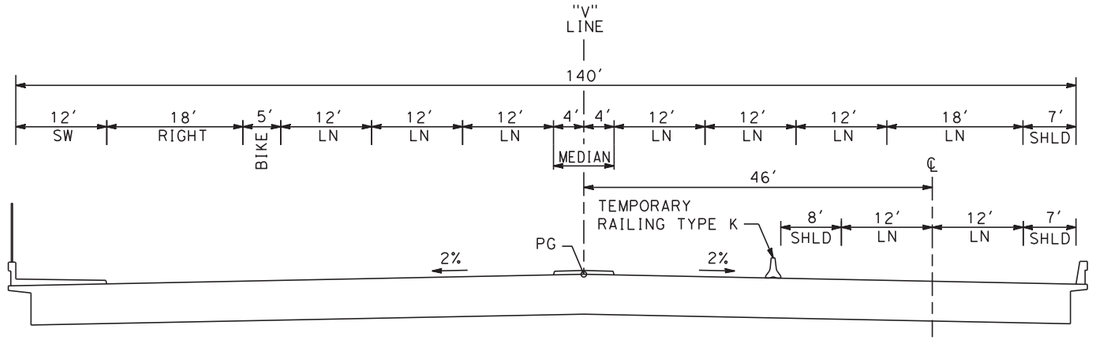
[B] 0.55' HMA OVER 1.45' AB

INFORMATION SHOWN IS BASED ON 15% DESIGN. ADDITIONAL DESIGN EFFORTS BY CITY OF FRESNO ARE NEEDED TO ESTABLISH THE FINAL CONFIGURATION.




**SECTION FF**

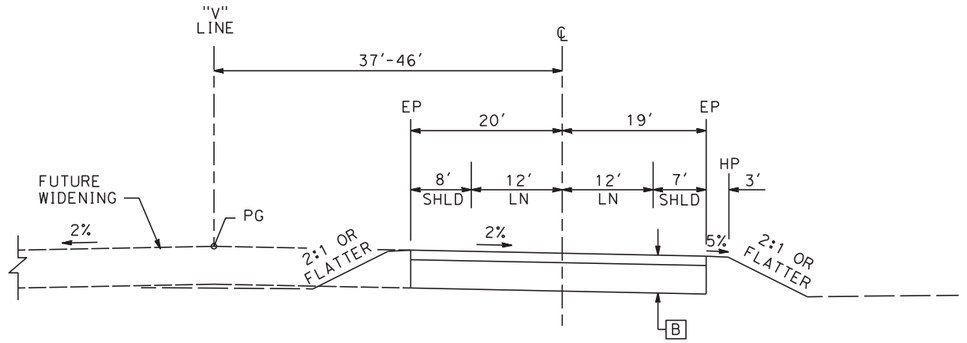
"SH" 76+00 TO 79+50




VETERANS BOULEVARD OVERHEAD

**SECTION GG**

"V" 105+00 TO 110+25




**SECTION HH**

"V" 110+25 TO 123+00




SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

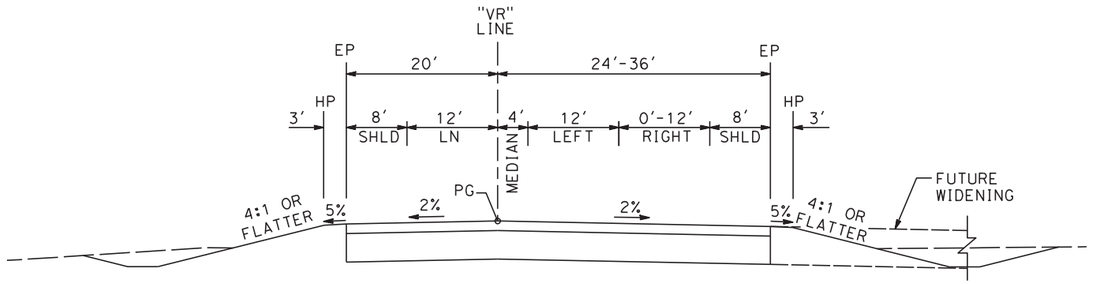
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTION
SHAW AVENUE & VETERANS BOULEVARD

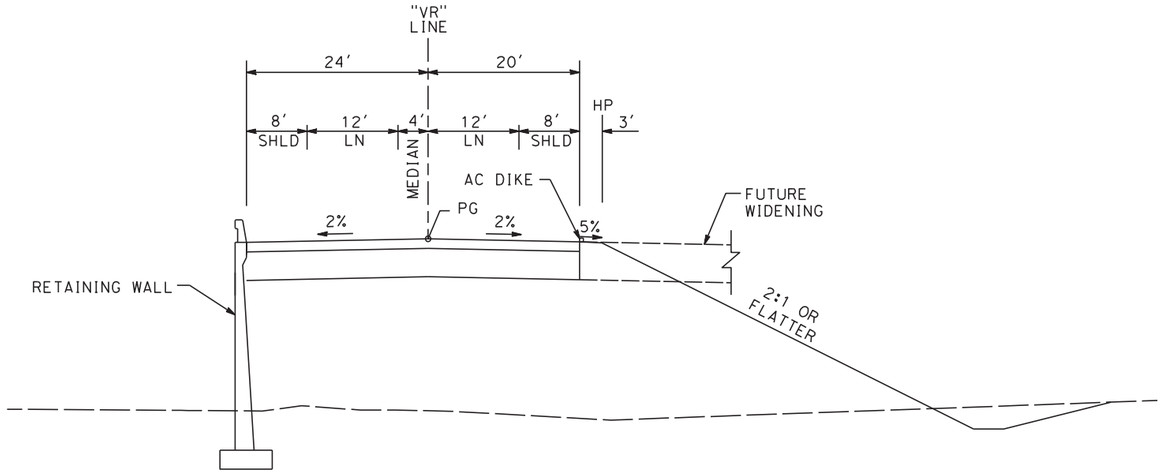
CONTRACT NO.
DRAWING NO. CV-R3008-GSB
SCALE AS SHOWN
SHEET NO.

C:\Documents and Settings\sleong\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\11S-CV-R3009-GSB.dgn
11/16/2011 11:06:19 AM CAHSRP-R1.TBL CHSR_half_black-pdf995.tbl NDM
sleong




## SECTION II

"VR" 15+75 TO 18+50




## SECTION JJ

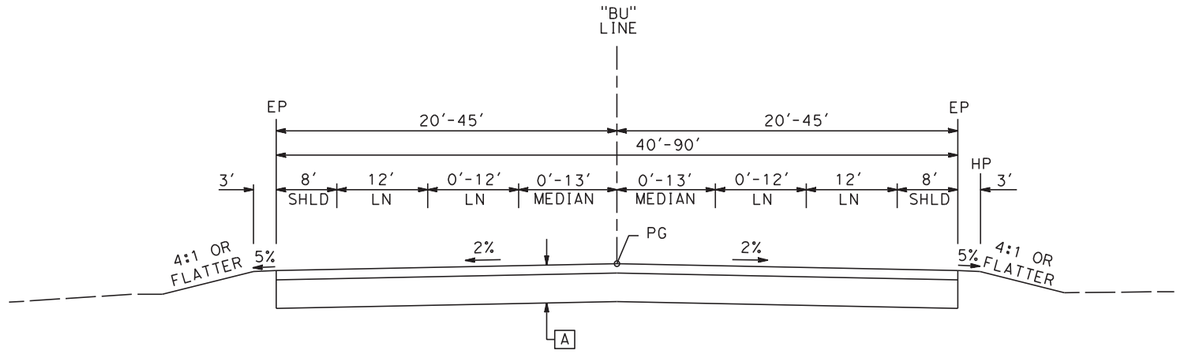
"VR" 10+00 TO 15+75

NOTES:

[A] 0.40' HMA OVER 1.15' AB

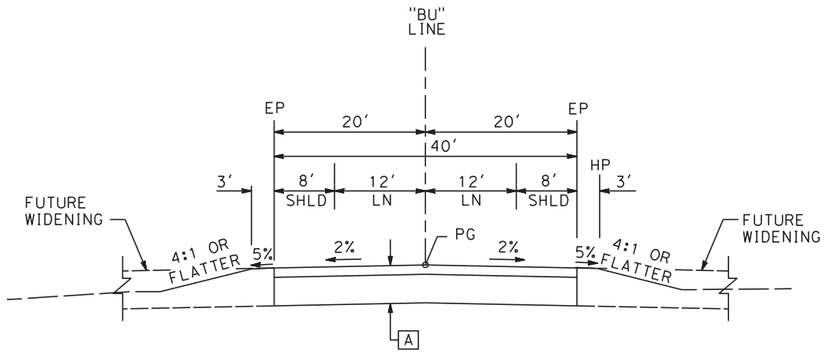
[B] 0.55' HMA OVER 1.45' AB

INFORMATION SHOWN IS BASED ON 15% DESIGN. ADDITIONAL DESIGN EFFORTS BY CITY OF FRESNO ARE NEEDED TO ESTABLISH THE FINAL CONFIGURATION.




## SECTION KK

"BU" 110+16.58 TO 117+80




## SECTION LL

"BU" 117+80 TO 132+10

10 0 10 20

1"=10'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTEN
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

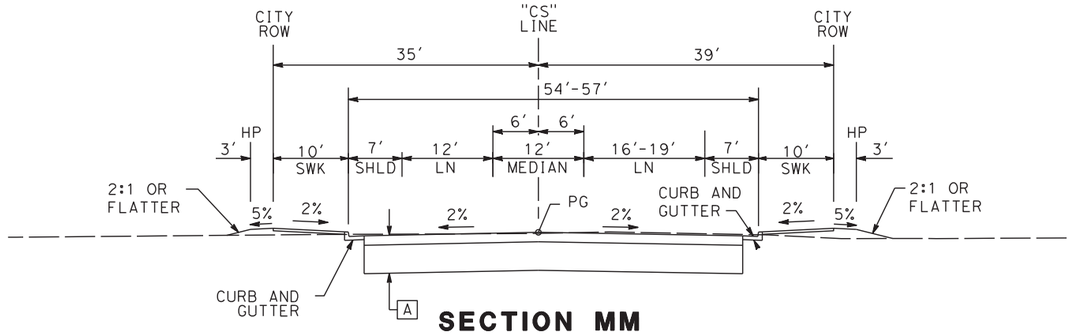
**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

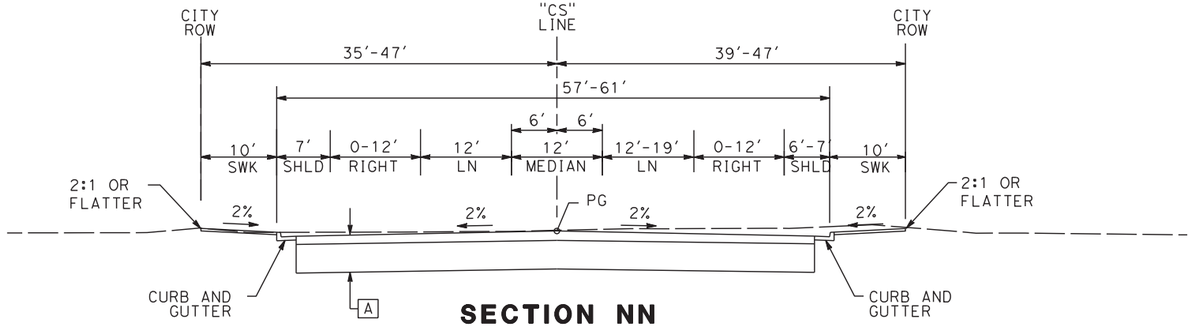
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
TYPICAL SECTION
VETERANS BOULEVARD & BULLARD AVENUE

CONTRACT NO.
DRAWING NO. CV-R3009-GSB
SCALE AS SHOWN
SHEET NO.




## SECTION MM

"CS" 10+40 TO 13+00



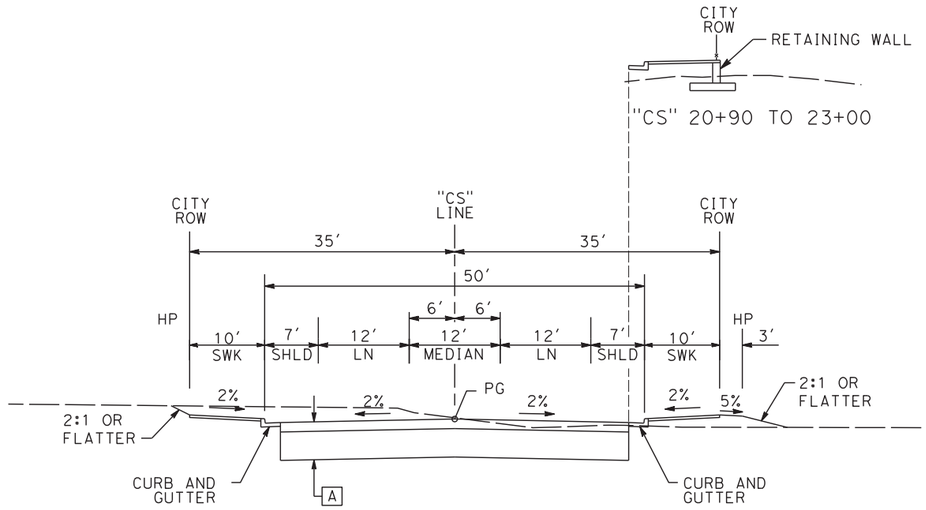

## SECTION NN

"CS" 13+00 TO 20+50

NOTES:

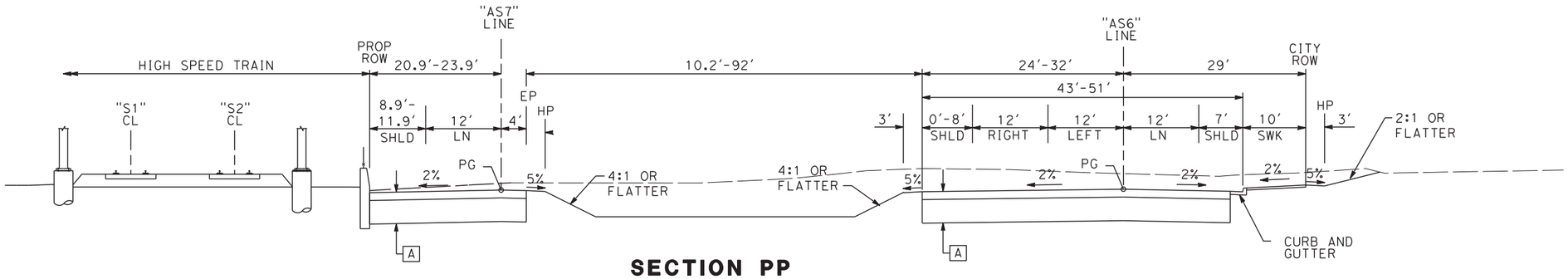
A 0.40' HMA OVER 1.15' AB

B 0.55' HMA OVER 1.45' AB




## SECTION OO

"CS" 20+50 TO 45+80




## SECTION PP

"AS6" 10+30 TO 11+25
"AS7 12+26 TO 13+96

10 0 10 20
1"=10'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

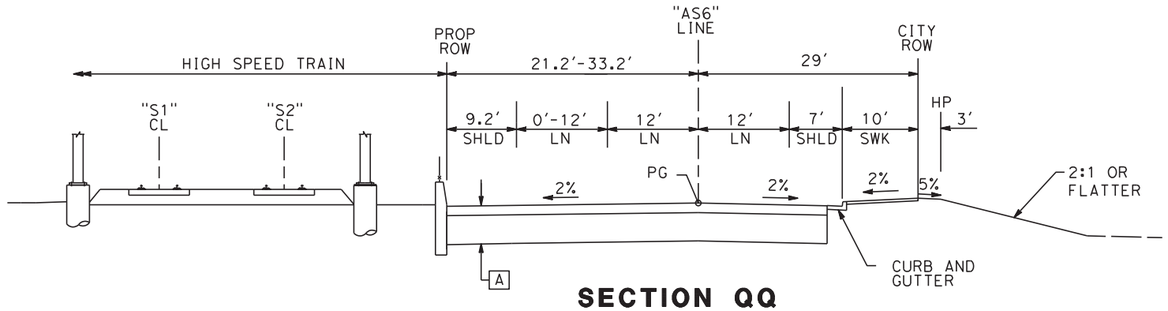
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
TYPICAL SECTION
CORNELIA AVENUE AND MOTEL DRIVE

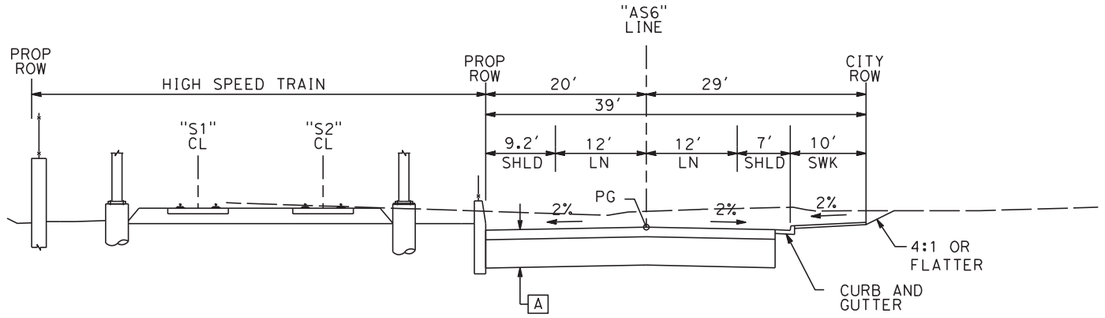
CONTRACT NO.
DRAWING NO. CV-R3010-GSB
SCALE AS SHOWN
SHEET NO.

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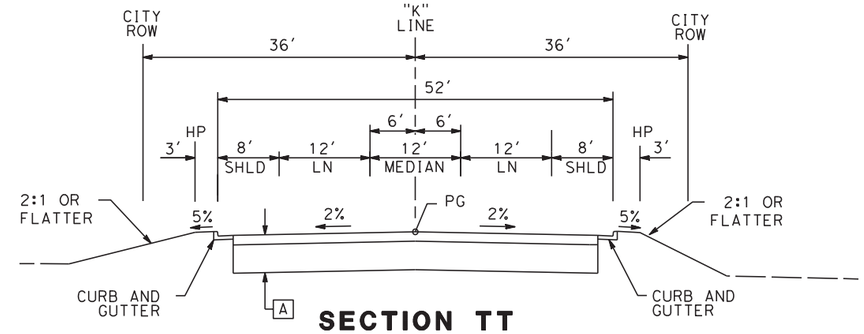

## SECTION QQ

"AS6" 11+25 TO 12+25



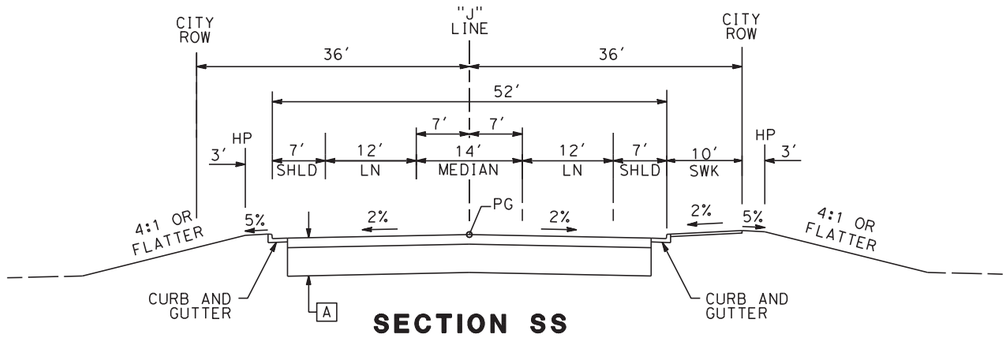

## SECTION RR

"AS6" 12+25 TO 13+92



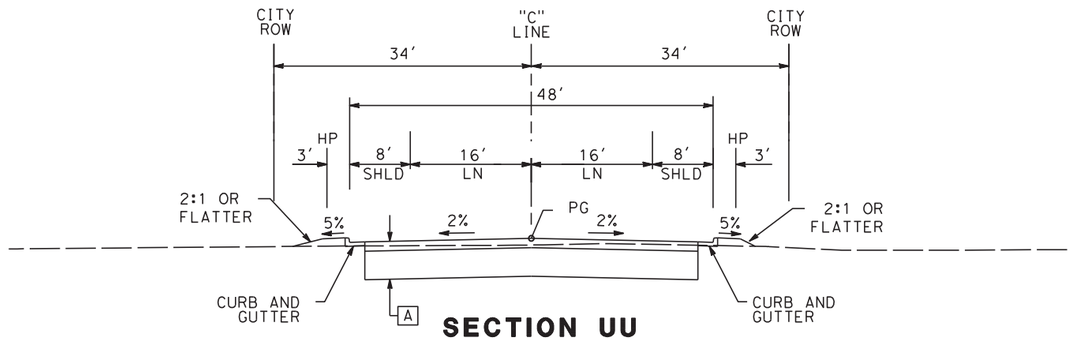

## SECTION TT

"K" 10+50 TO 12+10




## SECTION SS

"J" 10+00 TO 13+10




## SECTION UU

"B" 10+95 TO 12+50

NOTES:

A 0.40' HMA OVER 1.15' AB

B 0.55' HMA OVER 1.45' AB

10 0 10 20

1"=10'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 9581

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
TYPICAL SECTION
MOTEL, JENNIFER, KATHRYN & BARSTOW

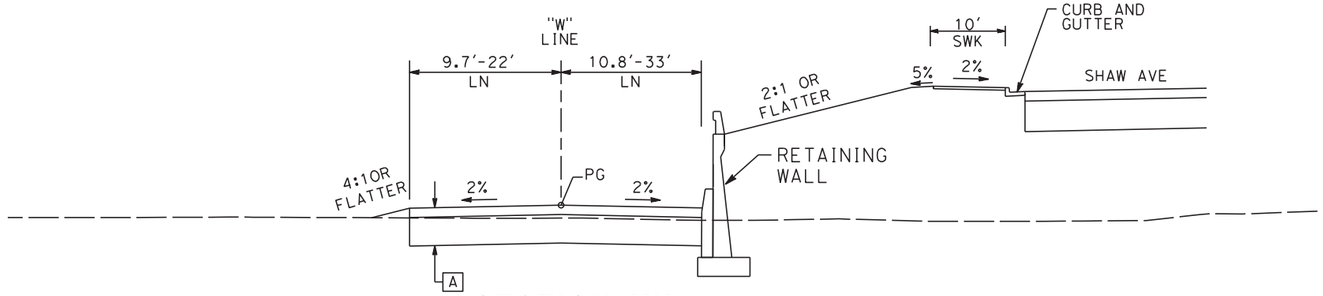
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DRAWING NO. CV-R3011-GSB

SCALE AS SHOWN

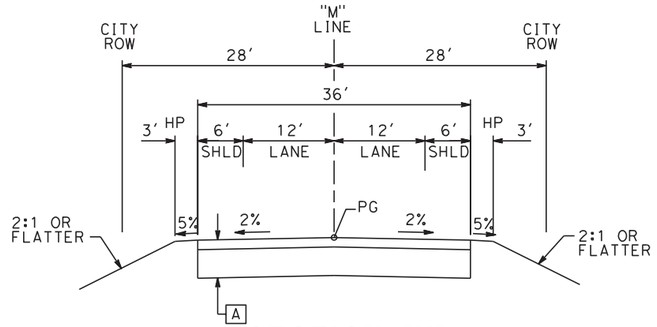
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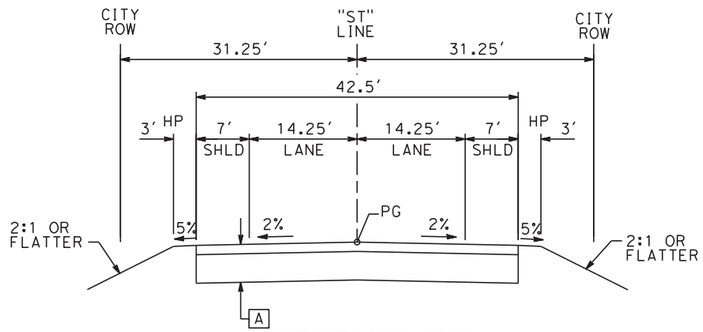

## SECTION VV

"W" 10+50 TO 15+30




## SECTION XX

"M" 11+75 TO 13+62




## SECTION YY

"ST" 10+05 TO 11+67

NOTES:

[A] 0.40' HMA OVER 1.15' AB

[B] 0.55' HMA OVER 1.45' AB

10 0 10 20

1"=10'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY D. ELKINS
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTION
WEBER, MARKET & STATE

CONTRACT NO.

DRAWING NO. CV-R3012-GSB

SCALE AS SHOWN

SHEET NO.

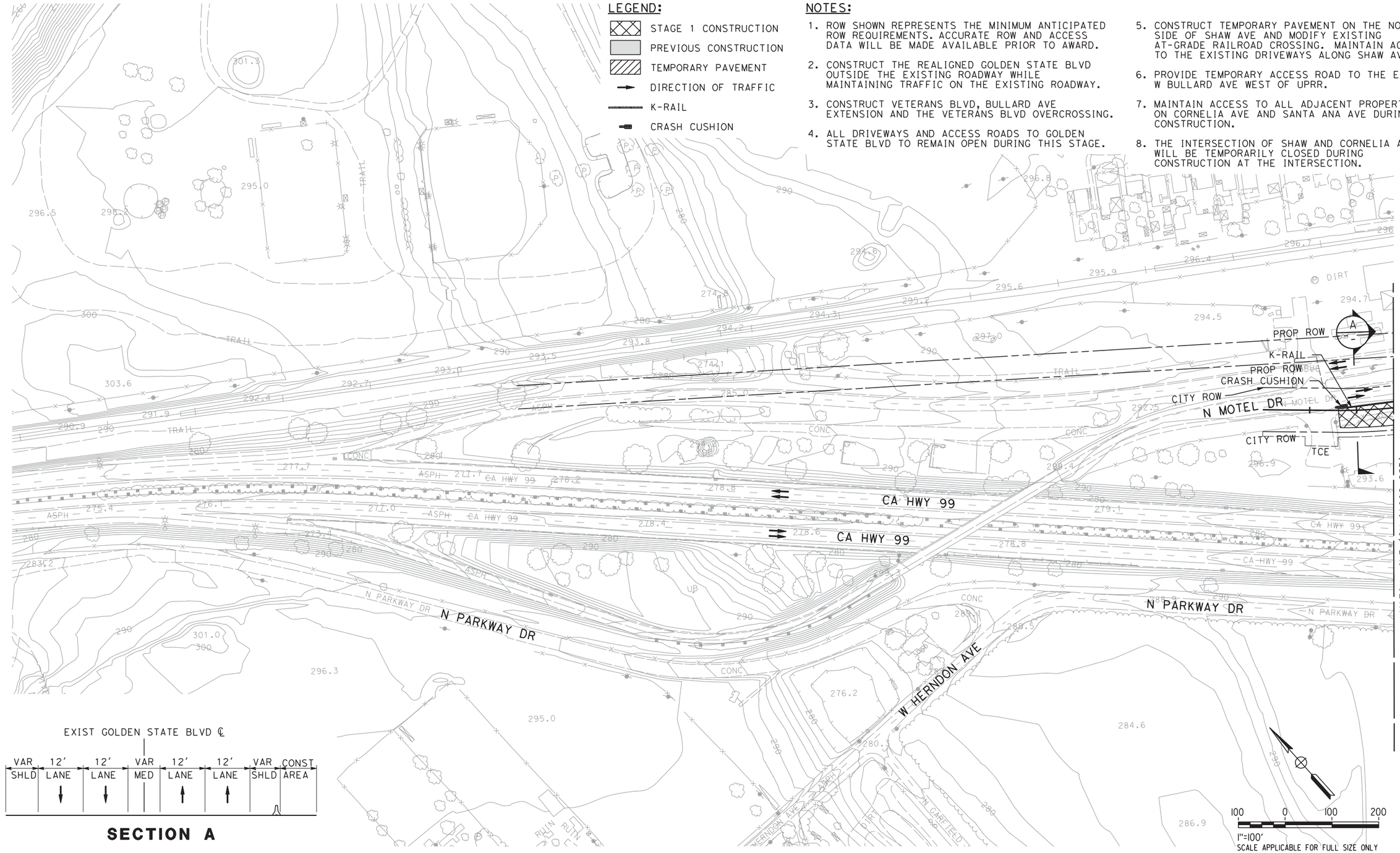
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## LEGEND:

- STAGE 1 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REALIGNED GOLDEN STATE BLVD OUTSIDE THE EXISTING ROADWAY WHILE MAINTAINING TRAFFIC ON THE EXISTING ROADWAY.
3. CONSTRUCT VETERANS BLVD, BULLARD AVE EXTENSION AND THE VETERANS BLVD OVERCROSSING.
4. ALL DRIVEWAYS AND ACCESS ROADS TO GOLDEN STATE BLVD TO REMAIN OPEN DURING THIS STAGE.
5. CONSTRUCT TEMPORARY PAVEMENT ON THE NORTH SIDE OF SHAW AVE AND MODIFY EXISTING AT-GRADE RAILROAD CROSSING. MAINTAIN ACCESS TO THE EXISTING DRIVEWAYS ALONG SHAW AVE.
6. PROVIDE TEMPORARY ACCESS ROAD TO THE EXISTING W BULLARD AVE WEST OF UPRR.
7. MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES ON CORNELIA AVE AND SANTA ANA AVE DURING CONSTRUCTION.
8. THE INTERSECTION OF SHAW AND CORNELIA AVE WILL BE TEMPORARILY CLOSED DURING CONSTRUCTION AT THE INTERSECTION.







**SECTION A**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: V. CHIO
DRAWN BY: R. MUNOZ
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
# SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-11001-GSB
SCALE AS SHOWN
SHEET NO.

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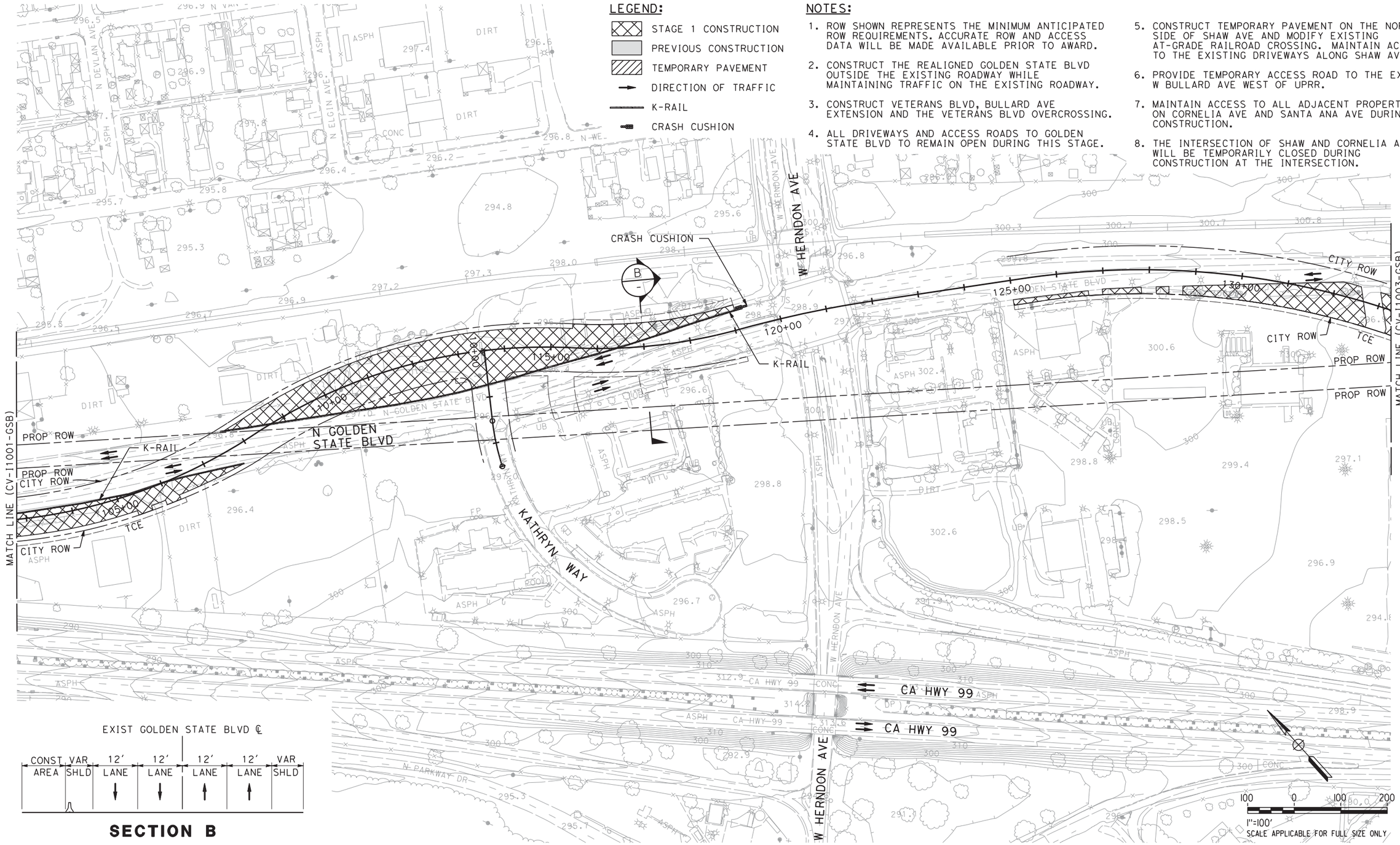
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## LEGEND:

- STAGE 1 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REALIGNED GOLDEN STATE BLVD OUTSIDE THE EXISTING ROADWAY WHILE MAINTAINING TRAFFIC ON THE EXISTING ROADWAY.
3. CONSTRUCT VETERANS BLVD, BULLARD AVE EXTENSION AND THE VETERANS BLVD OVERCROSSING.
4. ALL DRIVEWAYS AND ACCESS ROADS TO GOLDEN STATE BLVD TO REMAIN OPEN DURING THIS STAGE.
5. CONSTRUCT TEMPORARY PAVEMENT ON THE NORTH SIDE OF SHAW AVE AND MODIFY EXISTING AT-GRADE RAILROAD CROSSING. MAINTAIN ACCESS TO THE EXISTING DRIVEWAYS ALONG SHAW AVE.
6. PROVIDE TEMPORARY ACCESS ROAD TO THE EXISTING W BULLARD AVE WEST OF UPRR.
7. MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES ON CORNELIA AVE AND SANTA ANA AVE DURING CONSTRUCTION.
8. THE INTERSECTION OF SHAW AND CORNELIA AVE WILL BE TEMPORARILY CLOSED DURING CONSTRUCTION AT THE INTERSECTION.




EXIST GOLDEN STATE BLVD ℄

| CONST AREA | VAR SHLD | 12′ LANE | 12′ LANE | 12′ LANE | 12′ LANE | VAR SHLD |
|---|---|---|---|---|---|---|

**SECTION B**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY V. CHIO
DRAWN BY R. MUNOZ
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 9581
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-I1002-GSB
SCALE AS SHOWN
SHEET NO.

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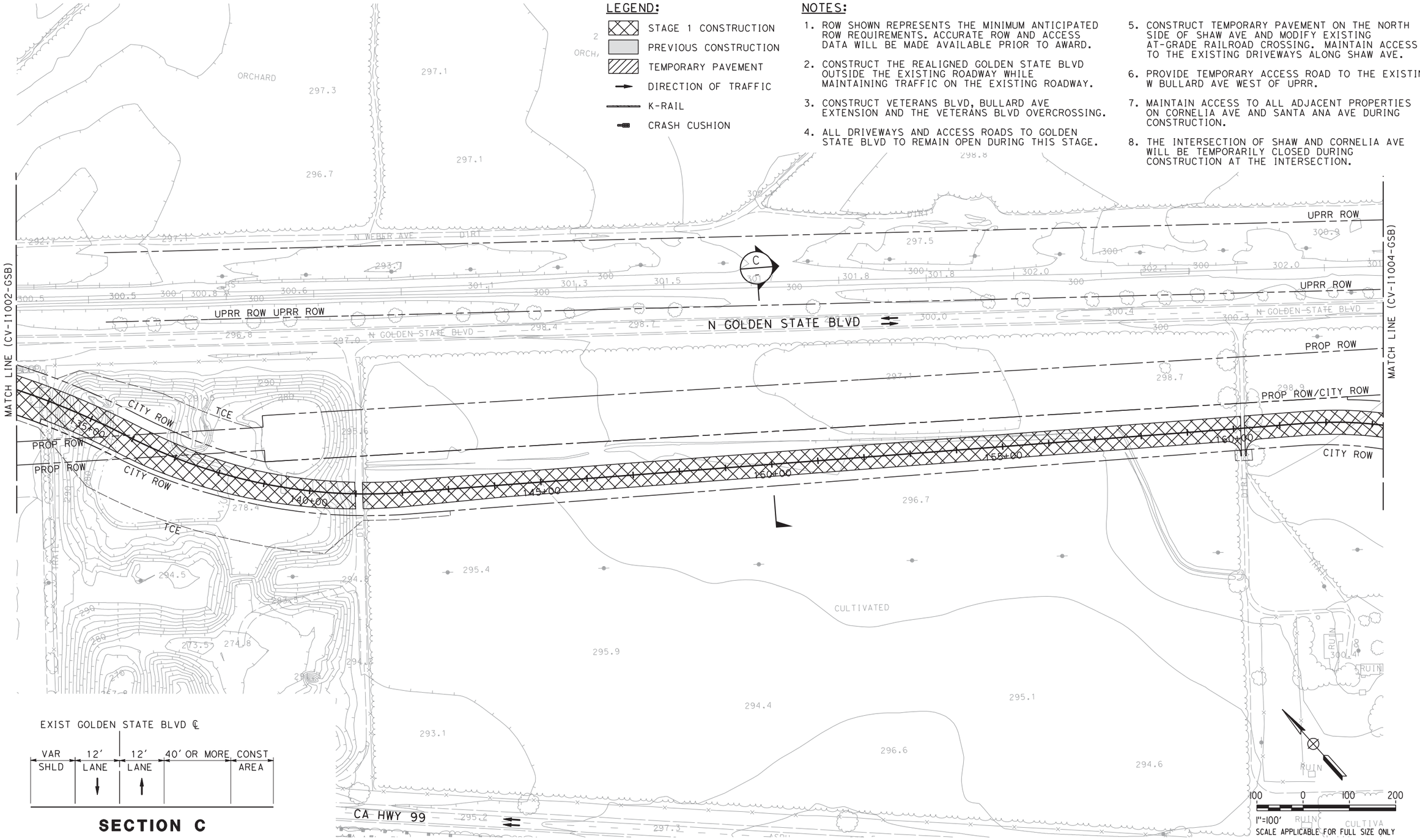
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sleong

## LEGEND:

- STAGE 1 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REALIGNED GOLDEN STATE BLVD OUTSIDE THE EXISTING ROADWAY WHILE MAINTAINING TRAFFIC ON THE EXISTING ROADWAY.
3. CONSTRUCT VETERANS BLVD, BULLARD AVE EXTENSION AND THE VETERANS BLVD OVERCROSSING.
4. ALL DRIVEWAYS AND ACCESS ROADS TO GOLDEN STATE BLVD TO REMAIN OPEN DURING THIS STAGE.
5. CONSTRUCT TEMPORARY PAVEMENT ON THE NORTH SIDE OF SHAW AVE AND MODIFY EXISTING AT-GRADE RAILROAD CROSSING. MAINTAIN ACCESS TO THE EXISTING DRIVEWAYS ALONG SHAW AVE.
6. PROVIDE TEMPORARY ACCESS ROAD TO THE EXISTING W BULLARD AVE WEST OF UPRR.
7. MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES ON CORNELIA AVE AND SANTA ANA AVE DURING CONSTRUCTION.
8. THE INTERSECTION OF SHAW AND CORNELIA AVE WILL BE TEMPORARILY CLOSED DURING CONSTRUCTION AT THE INTERSECTION.







**SECTION C**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: V. CHIO
DRAWN BY: R. MUNOZ
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-I1003-GSB
SCALE AS SHOWN
SHEET NO.

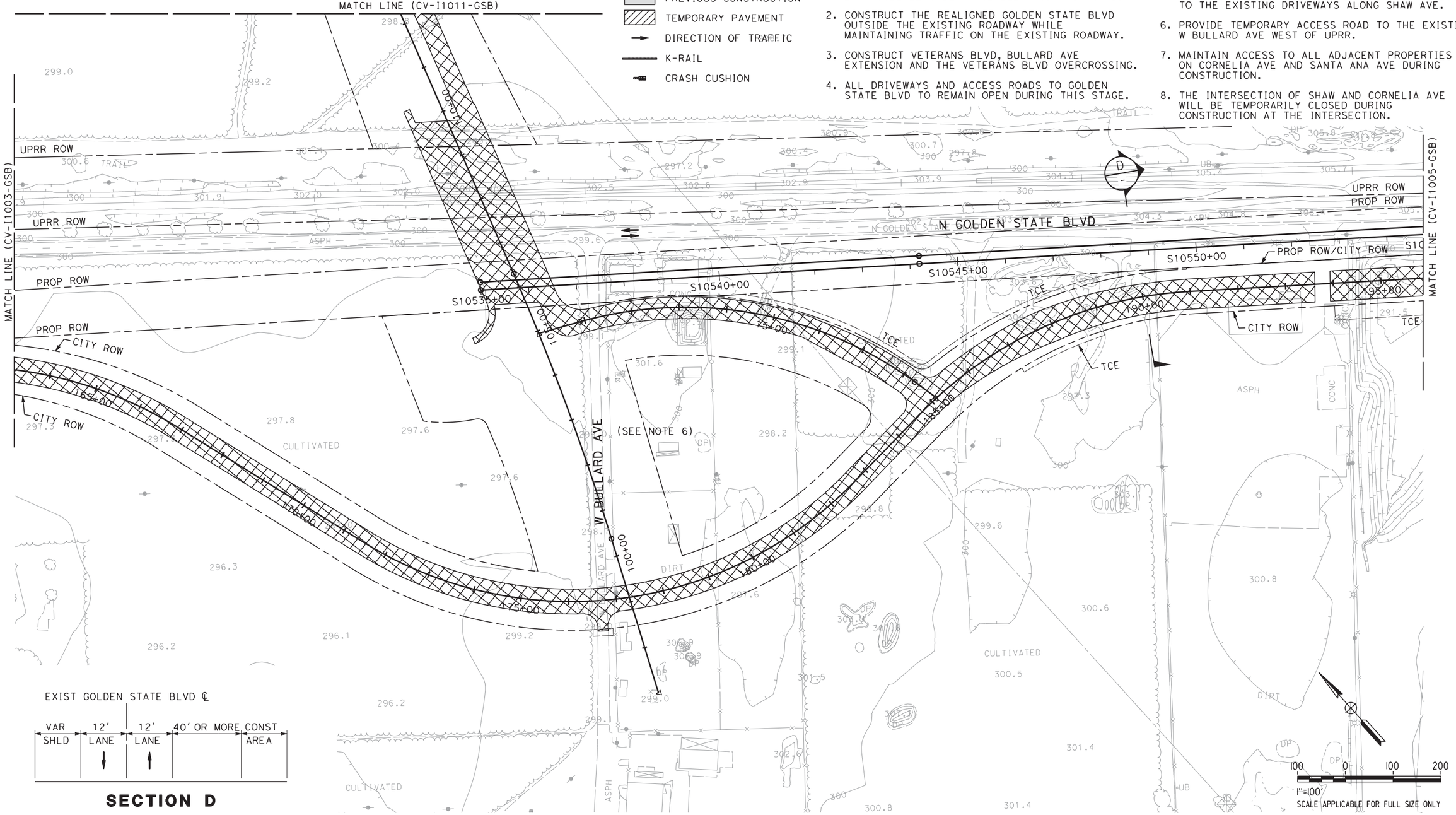
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## LEGEND:

- STAGE 1 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REALIGNED GOLDEN STATE BLVD OUTSIDE THE EXISTING ROADWAY WHILE MAINTAINING TRAFFIC ON THE EXISTING ROADWAY.
3. CONSTRUCT VETERANS BLVD, BULLARD AVE EXTENSION AND THE VETERANS BLVD OVERCROSSING.
4. ALL DRIVEWAYS AND ACCESS ROADS TO GOLDEN STATE BLVD TO REMAIN OPEN DURING THIS STAGE.
5. CONSTRUCT TEMPORARY PAVEMENT ON THE NORTH SIDE OF SHAW AVE AND MODIFY EXISTING AT-GRADE RAILROAD CROSSING. MAINTAIN ACCESS TO THE EXISTING DRIVEWAYS ALONG SHAW AVE.
6. PROVIDE TEMPORARY ACCESS ROAD TO THE EXISTING W BULLARD AVE WEST OF UPRR.
7. MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES ON CORNELIA AVE AND SANTA ANA AVE DURING CONSTRUCTION.
8. THE INTERSECTION OF SHAW AND CORNELIA AVE WILL BE TEMPORARILY CLOSED DURING CONSTRUCTION AT THE INTERSECTION.




EXIST GOLDEN STATE BLVD ℄

| VAR SHLD | 12′ LANE | 12′ LANE | 40′ OR MORE CONST AREA |
|---|---|---|---|

**SECTION D**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY R. MUNOZ
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-I1004-GSB
SCALE AS SHOWN
SHEET NO.

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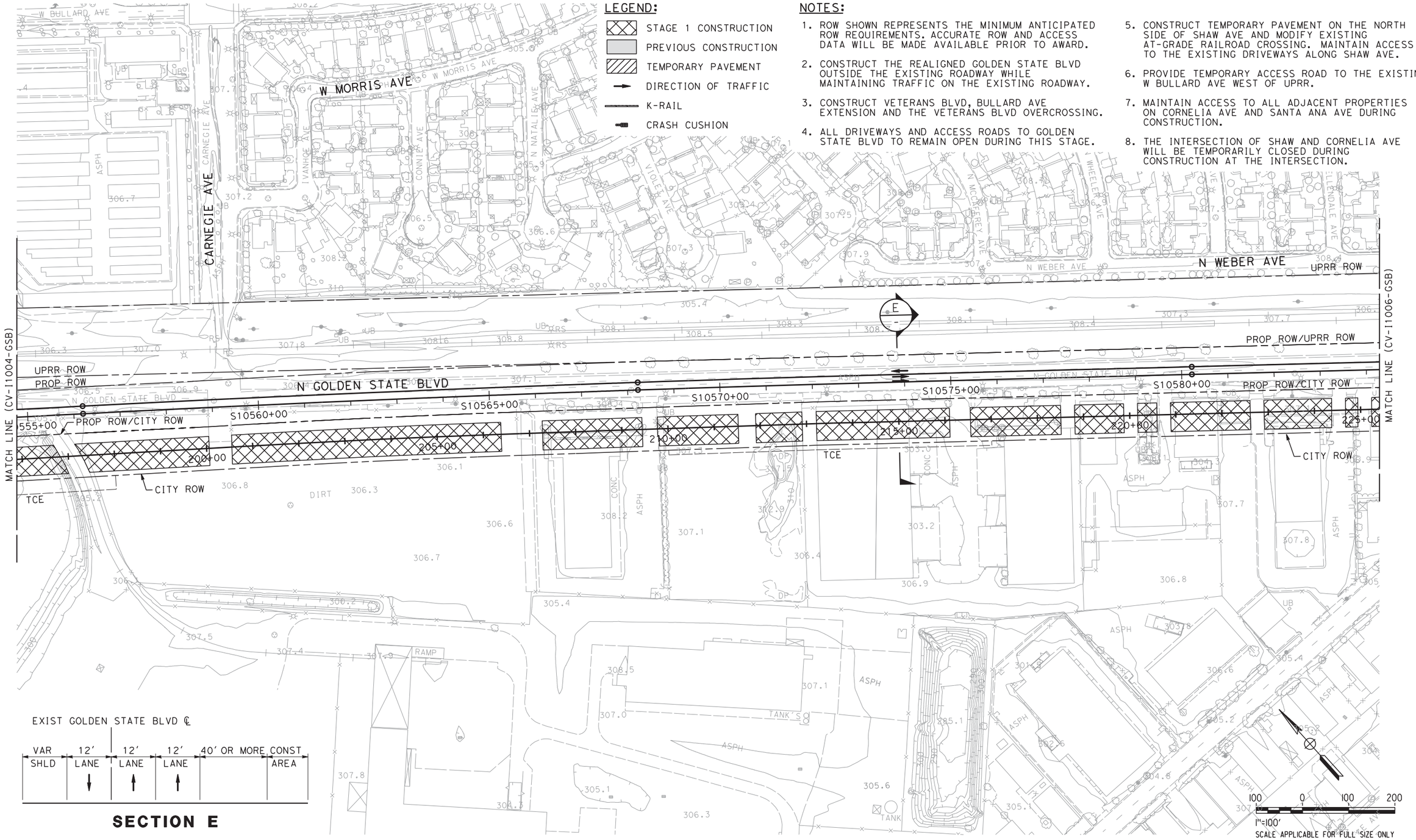
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## LEGEND:

- STAGE 1 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REALIGNED GOLDEN STATE BLVD OUTSIDE THE EXISTING ROADWAY WHILE MAINTAINING TRAFFIC ON THE EXISTING ROADWAY.
3. CONSTRUCT VETERANS BLVD, BULLARD AVE EXTENSION AND THE VETERANS BLVD OVERCROSSING.
4. ALL DRIVEWAYS AND ACCESS ROADS TO GOLDEN STATE BLVD TO REMAIN OPEN DURING THIS STAGE.
5. CONSTRUCT TEMPORARY PAVEMENT ON THE NORTH SIDE OF SHAW AVE AND MODIFY EXISTING AT-GRADE RAILROAD CROSSING. MAINTAIN ACCESS TO THE EXISTING DRIVEWAYS ALONG SHAW AVE.
6. PROVIDE TEMPORARY ACCESS ROAD TO THE EXISTING W BULLARD AVE WEST OF UPRR.
7. MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES ON CORNELIA AVE AND SANTA ANA AVE DURING CONSTRUCTION.
8. THE INTERSECTION OF SHAW AND CORNELIA AVE WILL BE TEMPORARILY CLOSED DURING CONSTRUCTION AT THE INTERSECTION.




EXIST GOLDEN STATE BLVD ℄

| VAR SHLD | 12′ LANE | 12′ LANE | 12′ LANE | 40′ OR MORE CONST AREA |
|---|---|---|---|---|

**SECTION E**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: V. CHIO
DRAWN BY: R. MUNOZ
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-I1005-GSB
SCALE AS SHOWN
SHEET NO.

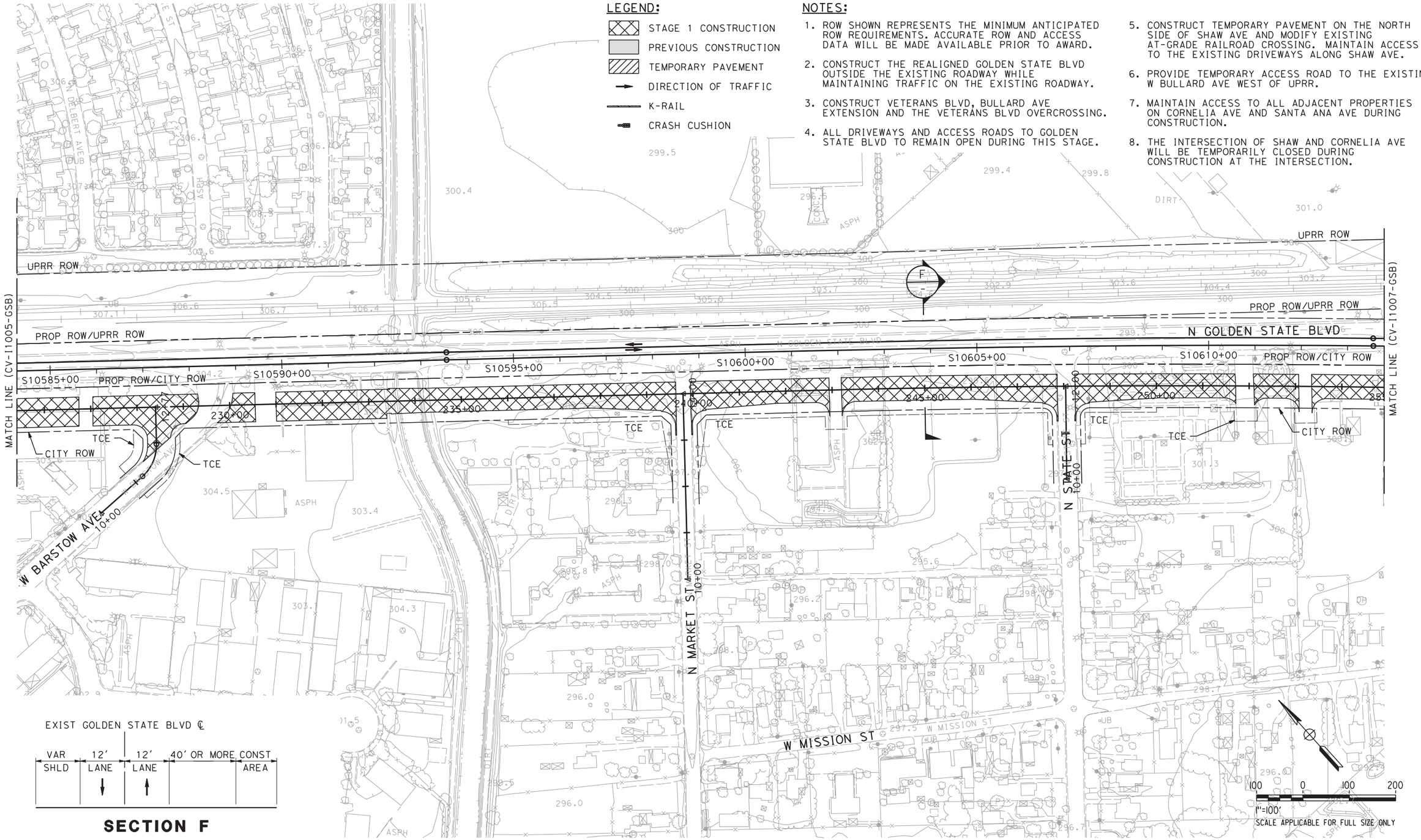
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## LEGEND:

- STAGE 1 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REALIGNED GOLDEN STATE BLVD OUTSIDE THE EXISTING ROADWAY WHILE MAINTAINING TRAFFIC ON THE EXISTING ROADWAY.
3. CONSTRUCT VETERANS BLVD, BULLARD AVE EXTENSION AND THE VETERANS BLVD OVERCROSSING.
4. ALL DRIVEWAYS AND ACCESS ROADS TO GOLDEN STATE BLVD TO REMAIN OPEN DURING THIS STAGE.
5. CONSTRUCT TEMPORARY PAVEMENT ON THE NORTH SIDE OF SHAW AVE AND MODIFY EXISTING AT-GRADE RAILROAD CROSSING. MAINTAIN ACCESS TO THE EXISTING DRIVEWAYS ALONG SHAW AVE.
6. PROVIDE TEMPORARY ACCESS ROAD TO THE EXISTING W BULLARD AVE WEST OF UPRR.
7. MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES ON CORNELIA AVE AND SANTA ANA AVE DURING CONSTRUCTION.
8. THE INTERSECTION OF SHAW AND CORNELIA AVE WILL BE TEMPORARILY CLOSED DURING CONSTRUCTION AT THE INTERSECTION.




EXIST GOLDEN STATE BLVD ℄

| VAR SHLD | 12′ LANE | 12′ LANE | 40′ OR MORE CONST AREA |
|---|---|---|---|

**SECTION F**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY R. MUNOZ
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

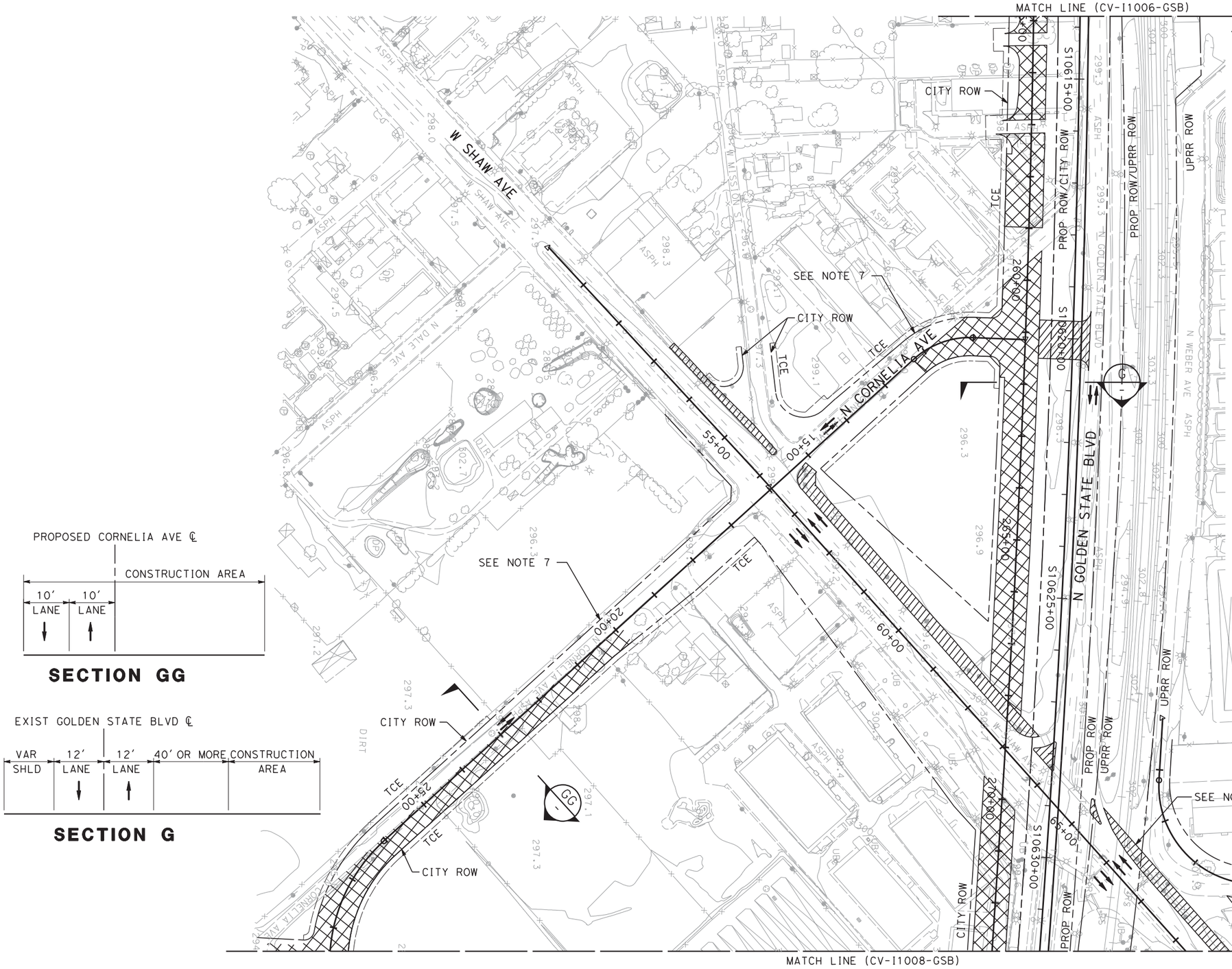
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-I1006-GSB
SCALE AS SHOWN
SHEET NO.




PROPOSED CORNELIA AVE ℄

CONSTRUCTION AREA

10′ LANE | 10′ LANE

**SECTION GG**

EXIST GOLDEN STATE BLVD ℄

VAR SHLD | 12′ LANE | 12′ LANE | 40′ OR MORE CONSTRUCTION AREA

**SECTION G**

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REALIGNED GOLDEN STATE BLVD OUTSIDE THE EXISTING ROADWAY WHILE MAINTAINING TRAFFIC ON THE EXISTING ROADWAY.
3. CONSTRUCT VETERANS BLVD, BULLARD AVE EXTENSION AND THE VETERANS BLVD OVERCROSSING.
4. ALL DRIVEWAYS AND ACCESS ROADS TO GOLDEN STATE BLVD TO REMAIN OPEN DURING THIS STAGE.
5. CONSTRUCT TEMPORARY PAVEMENT ON THE NORTH SIDE OF SHAW AVE AND MODIFY EXISTING AT-GRADE RAILROAD CROSSING. MAINTAIN ACCESS TO THE EXISTING DRIVEWAYS ALONG SHAW AVE.
6. PROVIDE TEMPORARY ACCESS ROAD TO THE EXISTING W BULLARD AVE WEST OF UPRR.
7. MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES ON CORNELIA AVE AND SANTA ANA AVE DURING CONSTRUCTION.
8. EXTEND TRACK PANELS AT THE EXISTING AT-GRADE RAILROAD CROSSING ON SHAW AVE. RELOCATE SIGNAL ARMS TEMPORARILY TO BEYOND THE ROADWAY SHOULDER IN COORDINATION WITH UPRR. OBTAIN THE NECESSARY PERMITS PRIOR TO WORK WITHIN UPRR PROPERTY.

## LEGEND:

- STAGE 1 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: V. CHIO
DRAWN BY: R. MUNOZ
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

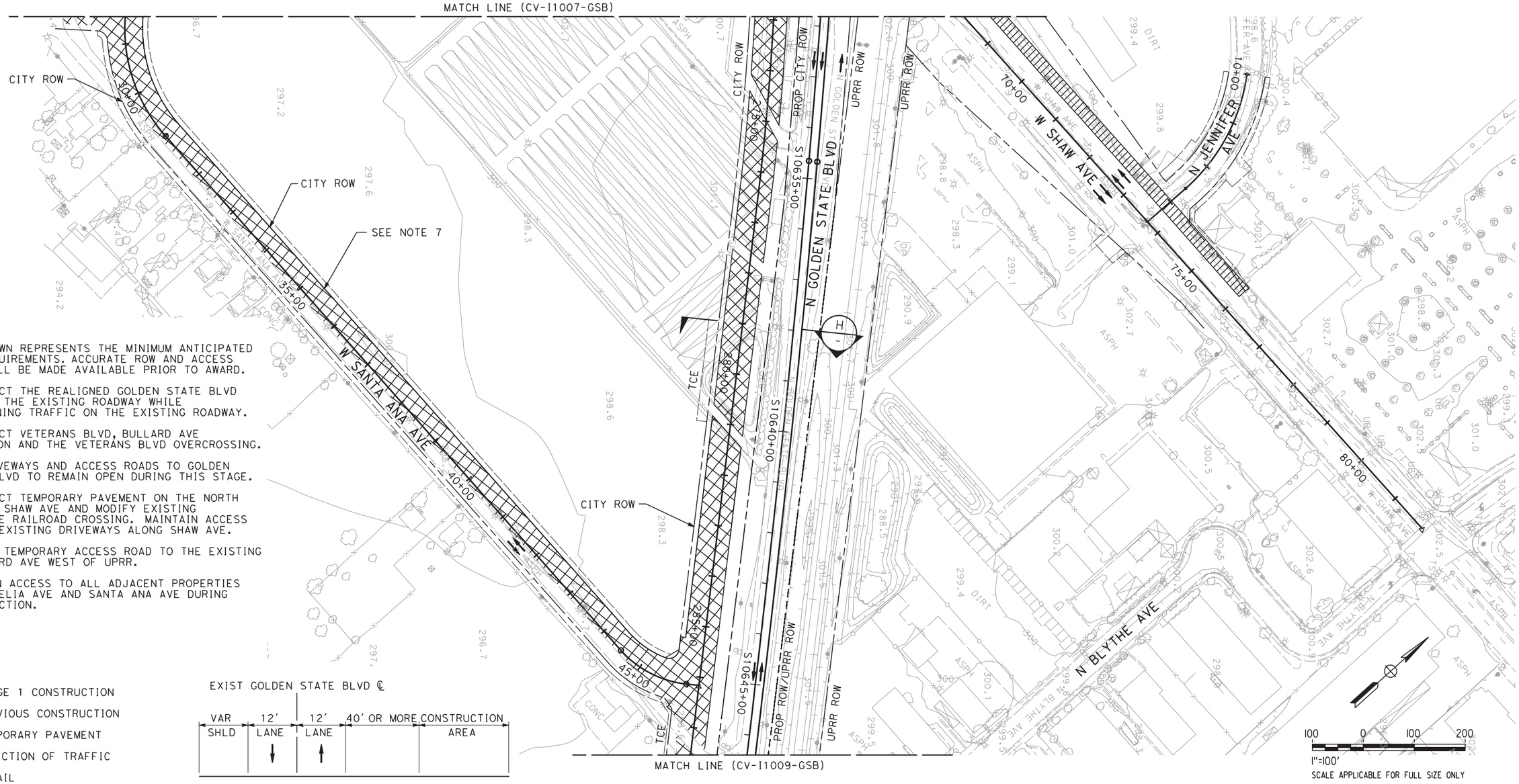
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 9581
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-I1007-GSB
SCALE AS SHOWN
SHEET NO.

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NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REALIGNED GOLDEN STATE BLVD OUTSIDE THE EXISTING ROADWAY WHILE MAINTAINING TRAFFIC ON THE EXISTING ROADWAY.
3. CONSTRUCT VETERANS BLVD, BULLARD AVE EXTENSION AND THE VETERANS BLVD OVERCROSSING.
4. ALL DRIVEWAYS AND ACCESS ROADS TO GOLDEN STATE BLVD TO REMAIN OPEN DURING THIS STAGE.
5. CONSTRUCT TEMPORARY PAVEMENT ON THE NORTH SIDE OF SHAW AVE AND MODIFY EXISTING AT-GRADE RAILROAD CROSSING. MAINTAIN ACCESS TO THE EXISTING DRIVEWAYS ALONG SHAW AVE.
6. PROVIDE TEMPORARY ACCESS ROAD TO THE EXISTING W BULLARD AVE WEST OF UPRR.
7. MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES ON CORNELIA AVE AND SANTA ANA AVE DURING CONSTRUCTION.

LEGEND:

- STAGE 1 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION




**SECTION H**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY R. MUNOZ
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-I1008-GSB
SCALE AS SHOWN
SHEET NO.

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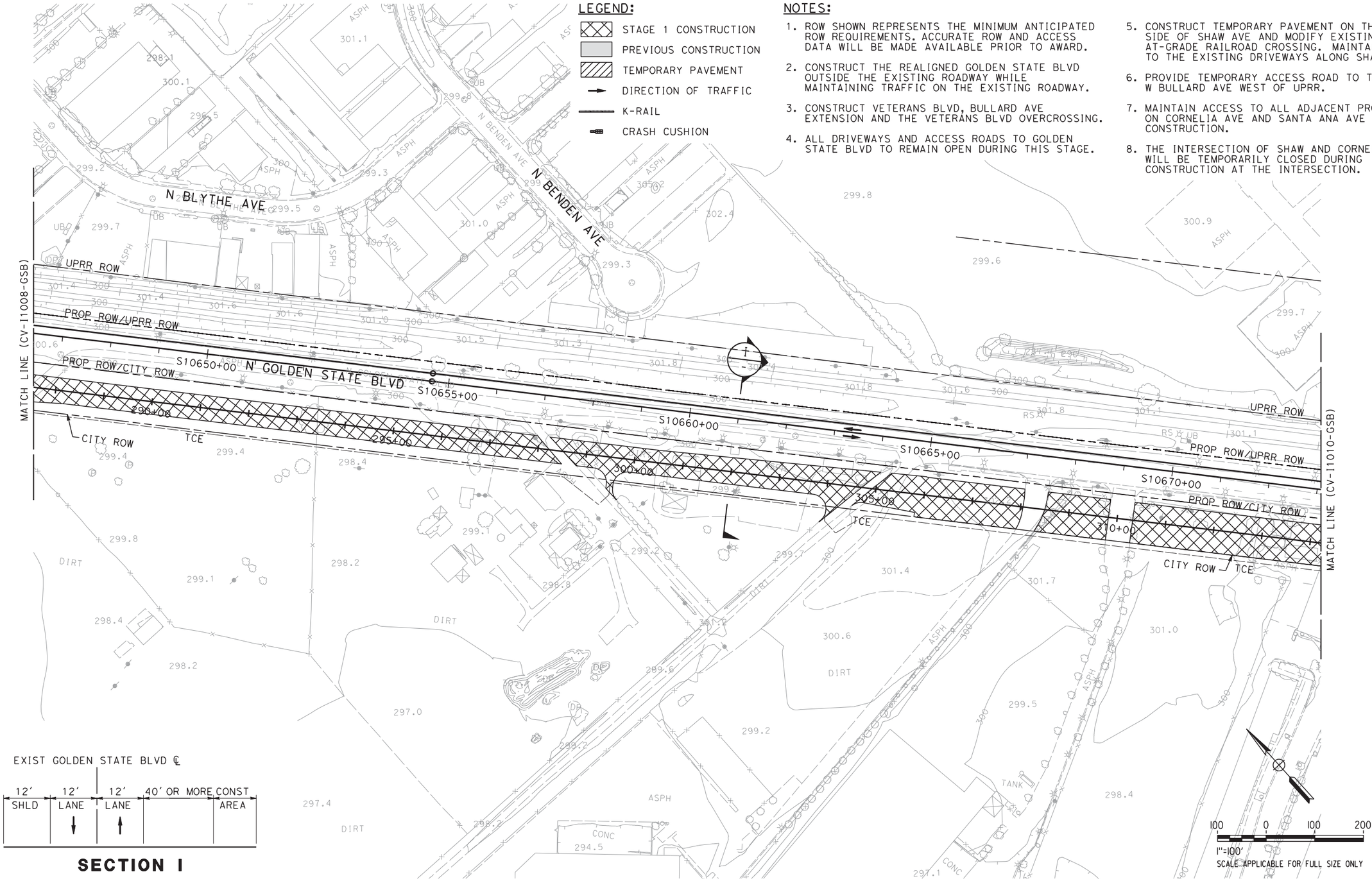
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## LEGEND:

- STAGE 1 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REALIGNED GOLDEN STATE BLVD OUTSIDE THE EXISTING ROADWAY WHILE MAINTAINING TRAFFIC ON THE EXISTING ROADWAY.
3. CONSTRUCT VETERANS BLVD, BULLARD AVE EXTENSION AND THE VETERANS BLVD OVERCROSSING.
4. ALL DRIVEWAYS AND ACCESS ROADS TO GOLDEN STATE BLVD TO REMAIN OPEN DURING THIS STAGE.
5. CONSTRUCT TEMPORARY PAVEMENT ON THE NORTH SIDE OF SHAW AVE AND MODIFY EXISTING AT-GRADE RAILROAD CROSSING. MAINTAIN ACCESS TO THE EXISTING DRIVEWAYS ALONG SHAW AVE.
6. PROVIDE TEMPORARY ACCESS ROAD TO THE EXISTING W BULLARD AVE WEST OF UPRR.
7. MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES ON CORNELIA AVE AND SANTA ANA AVE DURING CONSTRUCTION.
8. THE INTERSECTION OF SHAW AND CORNELIA AVE WILL BE TEMPORARILY CLOSED DURING CONSTRUCTION AT THE INTERSECTION.




EXIST GOLDEN STATE BLVD ℄

| 12' SHLD | 12' LANE | 12' LANE | 40' OR MORE CONST AREA |
|---|---|---|---|

**SECTION I**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: V. CHIO
DRAWN BY: R. MUNOZ
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-11009-GSB
SCALE AS SHOWN
SHEET NO.

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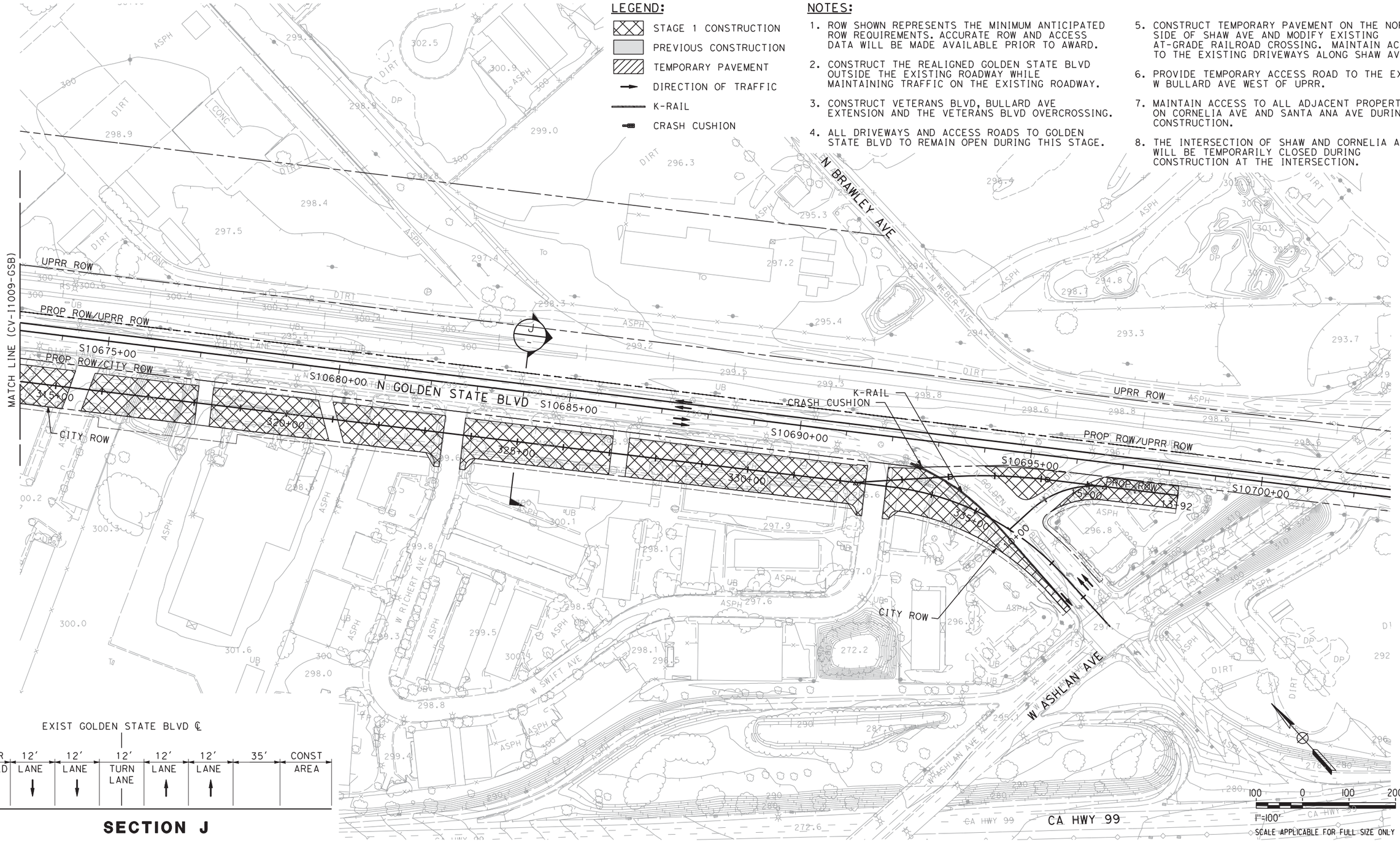
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sleong

## LEGEND:

- STAGE 1 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REALIGNED GOLDEN STATE BLVD OUTSIDE THE EXISTING ROADWAY WHILE MAINTAINING TRAFFIC ON THE EXISTING ROADWAY.
3. CONSTRUCT VETERANS BLVD, BULLARD AVE EXTENSION AND THE VETERANS BLVD OVERCROSSING.
4. ALL DRIVEWAYS AND ACCESS ROADS TO GOLDEN STATE BLVD TO REMAIN OPEN DURING THIS STAGE.
5. CONSTRUCT TEMPORARY PAVEMENT ON THE NORTH SIDE OF SHAW AVE AND MODIFY EXISTING AT-GRADE RAILROAD CROSSING. MAINTAIN ACCESS TO THE EXISTING DRIVEWAYS ALONG SHAW AVE.
6. PROVIDE TEMPORARY ACCESS ROAD TO THE EXISTING W BULLARD AVE WEST OF UPRR.
7. MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES ON CORNELIA AVE AND SANTA ANA AVE DURING CONSTRUCTION.
8. THE INTERSECTION OF SHAW AND CORNELIA AVE WILL BE TEMPORARILY CLOSED DURING CONSTRUCTION AT THE INTERSECTION.




EXIST GOLDEN STATE BLVD ℄

| VAR SHLD | 12′ LANE | 12′ LANE | 12′ TURN LANE | 12′ LANE | 12′ LANE | 35′ | CONST AREA |
|---|---|---|---|---|---|---|---|

**SECTION J**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY R. MUNOZ
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

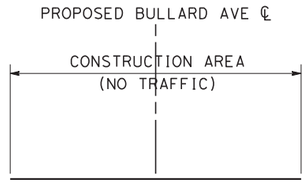
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-I1010-GSB
SCALE AS SHOWN
SHEET NO.

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**SECTION K**

**LEGEND:**

- STAGE 1 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REALIGNED GOLDEN STATE BLVD OUTSIDE THE EXISTING ROADWAY WHILE MAINTAINING TRAFFIC ON THE EXISTING ROADWAY.
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4. ALL DRIVEWAYS AND ACCESS ROADS TO GOLDEN STATE BLVD TO REMAIN OPEN DURING THIS STAGE.
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8. THE INTERSECTION OF SHAW AND CORNELIA AVE WILL BE TEMPORARILY CLOSED DURING CONSTRUCTION AT THE INTERSECTION.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY R. MUNOZ
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-I1011-GSB
SCALE AS SHOWN
SHEET NO.

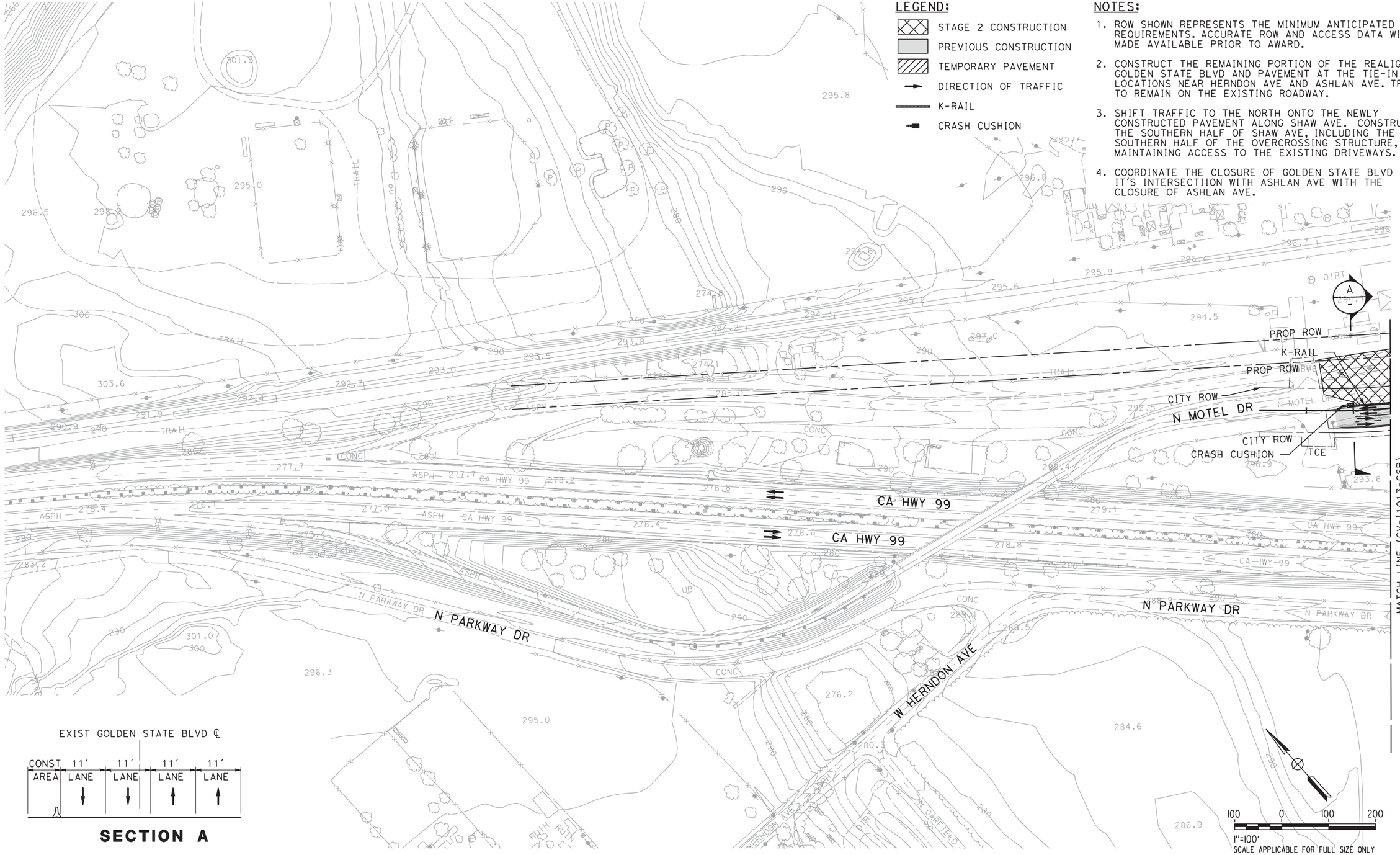
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## LEGEND:

- STAGE 2 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REMAINING PORTION OF THE REALIGNED GOLDEN STATE BLVD AND PAVEMENT AT THE TIE-IN LOCATIONS NEAR HERNDON AVE AND ASHLAN AVE. TRAFFIC TO REMAIN ON THE EXISTING ROADWAY.
3. SHIFT TRAFFIC TO THE NORTH ONTO THE NEWLY CONSTRUCTED PAVEMENT ALONG SHAW AVE. CONSTRUCT THE SOUTHERN HALF OF SHAW AVE, INCLUDING THE SOUTHERN HALF OF THE OVERCROSSING STRUCTURE, WHILE MAINTAINING ACCESS TO THE EXISTING DRIVEWAYS.
4. COORDINATE THE CLOSURE OF GOLDEN STATE BLVD NEAR IT'S INTERSECTIION WITH ASHLAN AVE WITH THE CLOSURE OF ASHLAN AVE.







**SECTION A**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: V. CHIO
DRAWN BY: R. MUNOZ
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
# SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-11012-GSB
SCALE AS SHOWN
SHEET NO.

sleong 11/16/2011 5:08:37 PM CAHSRP-R1.TBL CHSR_half_black-pdf995.CTB C:\Documents and Settings\sleong\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\11S-CV-11012-GSB.dgn
11/16/2011 5:08:37 PM

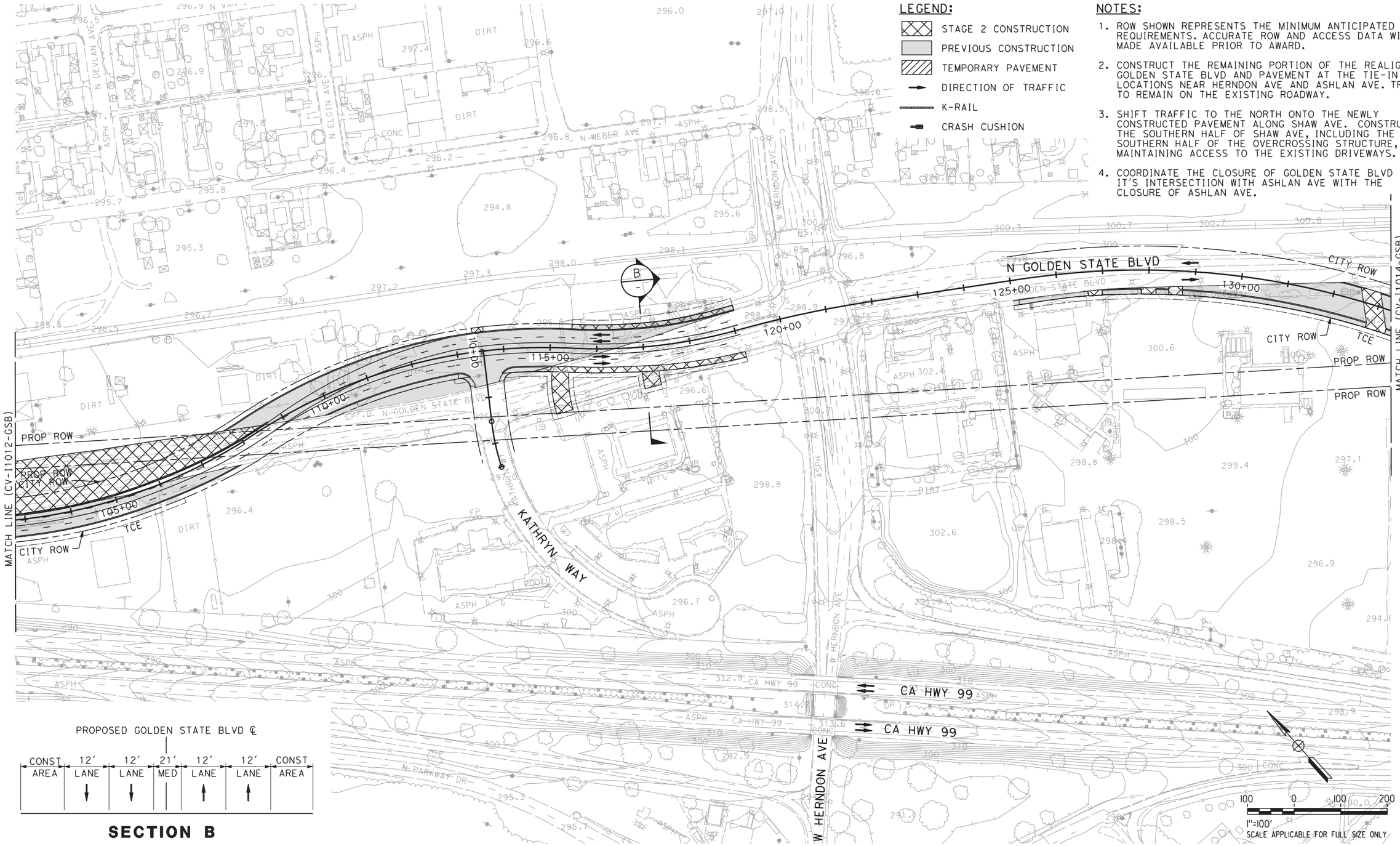
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sleong

## LEGEND:

- STAGE 2 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REMAINING PORTION OF THE REALIGNED GOLDEN STATE BLVD AND PAVEMENT AT THE TIE-IN LOCATIONS NEAR HERNDON AVE AND ASHLAN AVE. TRAFFIC TO REMAIN ON THE EXISTING ROADWAY.
3. SHIFT TRAFFIC TO THE NORTH ONTO THE NEWLY CONSTRUCTED PAVEMENT ALONG SHAW AVE. CONSTRUCT THE SOUTHERN HALF OF SHAW AVE, INCLUDING THE SOUTHERN HALF OF THE OVERCROSSING STRUCTURE, WHILE MAINTAINING ACCESS TO THE EXISTING DRIVEWAYS.
4. COORDINATE THE CLOSURE OF GOLDEN STATE BLVD NEAR IT'S INTERSECTIION WITH ASHLAN AVE WITH THE CLOSURE OF ASHLAN AVE.




PROPOSED GOLDEN STATE BLVD ℄

| CONST AREA | 12' LANE | 12' LANE | 21' MED | 12' LANE | 12' LANE | CONST AREA |
|---|---|---|---|---|---|---|

**SECTION B**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY R. MUNOZ
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-I1013-GSB
SCALE AS SHOWN
SHEET NO.

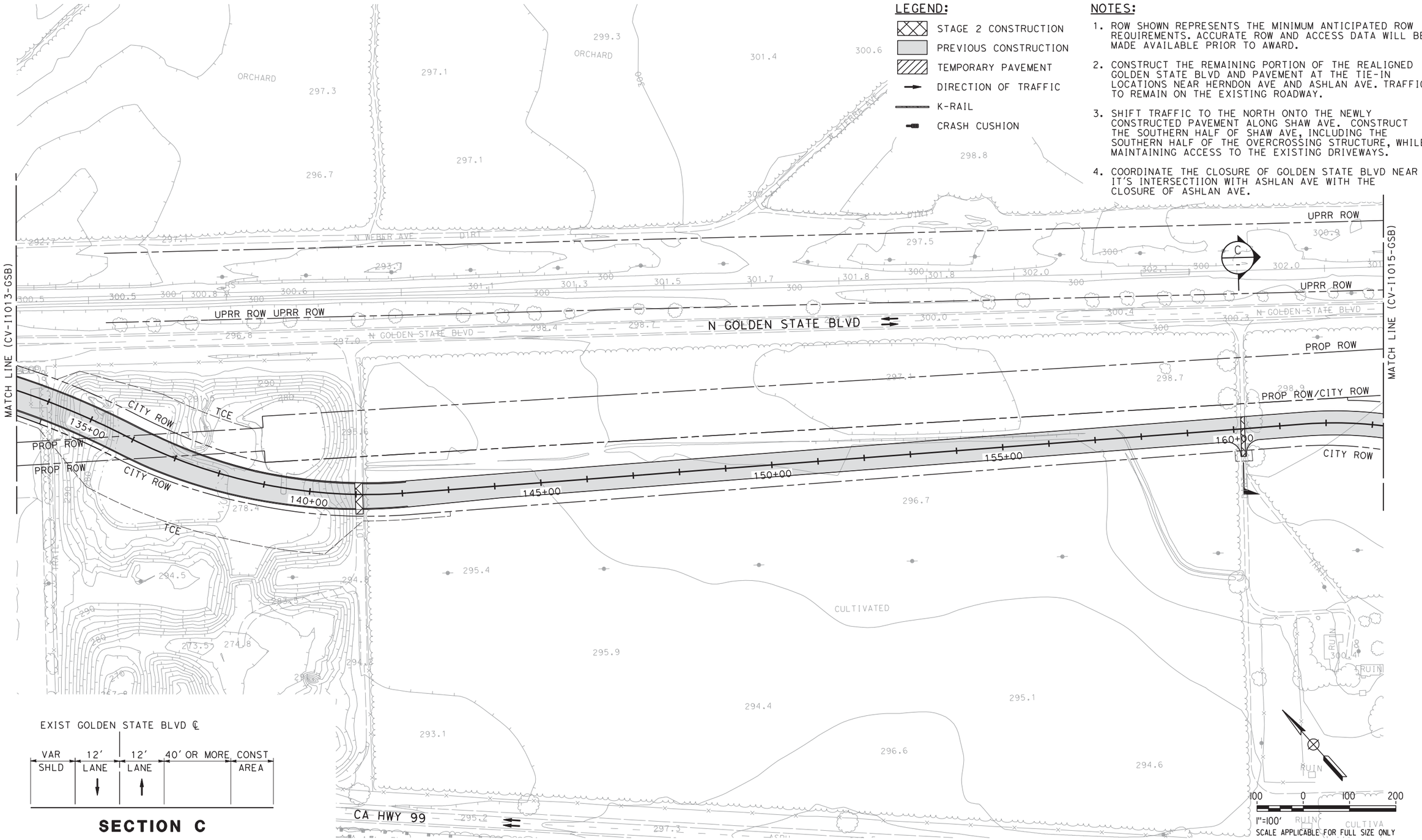
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## LEGEND:

- STAGE 2 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REMAINING PORTION OF THE REALIGNED GOLDEN STATE BLVD AND PAVEMENT AT THE TIE-IN LOCATIONS NEAR HERNDON AVE AND ASHLAN AVE. TRAFFIC TO REMAIN ON THE EXISTING ROADWAY.
3. SHIFT TRAFFIC TO THE NORTH ONTO THE NEWLY CONSTRUCTED PAVEMENT ALONG SHAW AVE. CONSTRUCT THE SOUTHERN HALF OF SHAW AVE, INCLUDING THE SOUTHERN HALF OF THE OVERCROSSING STRUCTURE, WHILE MAINTAINING ACCESS TO THE EXISTING DRIVEWAYS.
4. COORDINATE THE CLOSURE OF GOLDEN STATE BLVD NEAR IT'S INTERSECTIION WITH ASHLAN AVE WITH THE CLOSURE OF ASHLAN AVE.




EXIST GOLDEN STATE BLVD ℄

| VAR SHLD | 12′ LANE | 12′ LANE | 40′ OR MORE CONST AREA |
|---|---|---|---|

**SECTION C**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY R. HENDERSON
DRAWN BY J. TYLER
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-I1014-GSB
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SHEET NO.

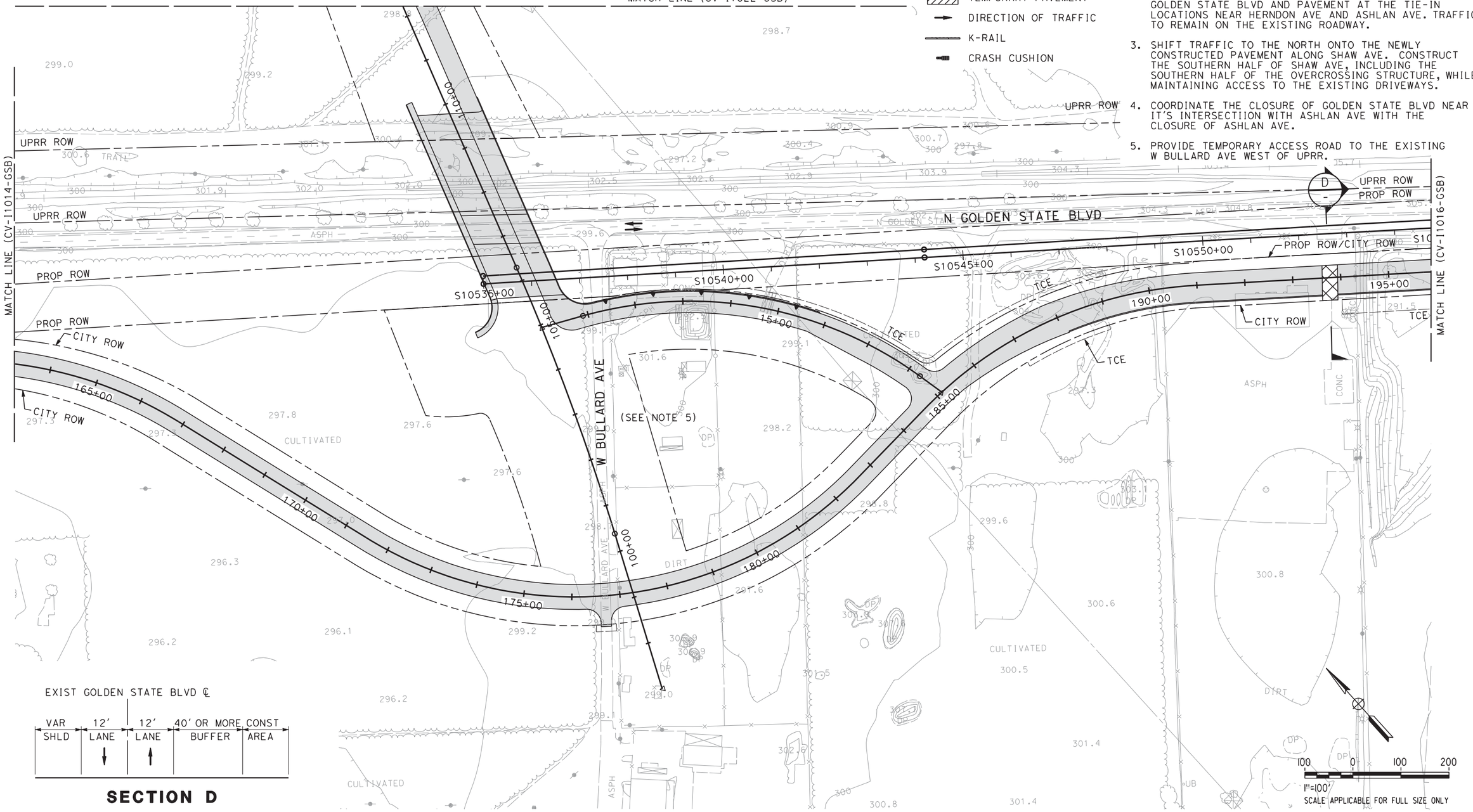
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## LEGEND:

- STAGE 2 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REMAINING PORTION OF THE REALIGNED GOLDEN STATE BLVD AND PAVEMENT AT THE TIE-IN LOCATIONS NEAR HERNDON AVE AND ASHLAN AVE. TRAFFIC TO REMAIN ON THE EXISTING ROADWAY.
3. SHIFT TRAFFIC TO THE NORTH ONTO THE NEWLY CONSTRUCTED PAVEMENT ALONG SHAW AVE. CONSTRUCT THE SOUTHERN HALF OF SHAW AVE, INCLUDING THE SOUTHERN HALF OF THE OVERCROSSING STRUCTURE, WHILE MAINTAINING ACCESS TO THE EXISTING DRIVEWAYS.
4. COORDINATE THE CLOSURE OF GOLDEN STATE BLVD NEAR IT'S INTERSECTIION WITH ASHLAN AVE WITH THE CLOSURE OF ASHLAN AVE.
5. PROVIDE TEMPORARY ACCESS ROAD TO THE EXISTING W BULLARD AVE WEST OF UPRR.




EXIST GOLDEN STATE BLVD ℄

| VAR SHLD | 12' LANE | 12' LANE | 40' OR MORE BUFFER | CONST AREA |
|---|---|---|---|---|

**SECTION D**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: V. CHIO
DRAWN BY: R. MUNOZ
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-I1015-GSB
SCALE AS SHOWN
SHEET NO.

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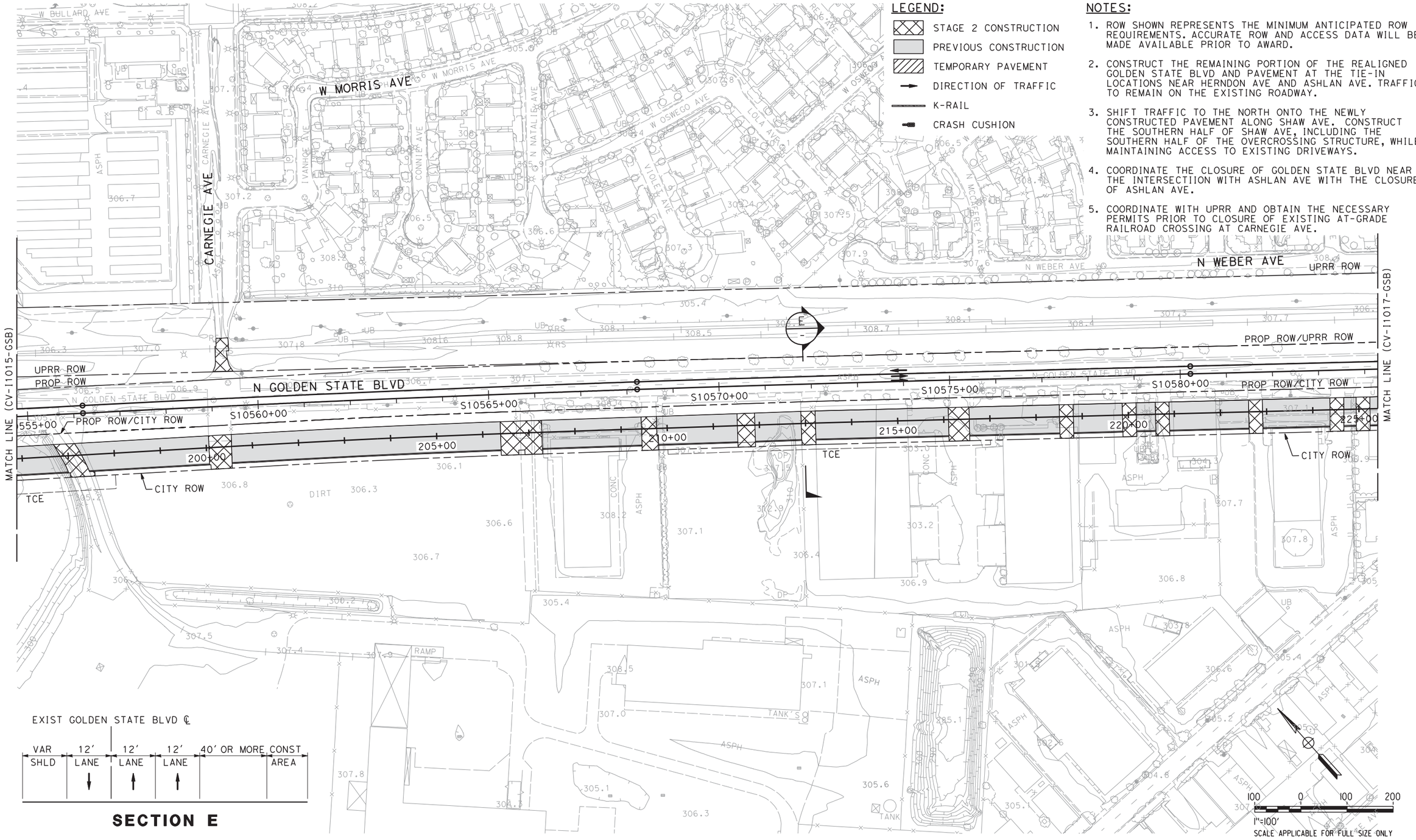
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## LEGEND:

- STAGE 2 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REMAINING PORTION OF THE REALIGNED GOLDEN STATE BLVD AND PAVEMENT AT THE TIE-IN LOCATIONS NEAR HERNDON AVE AND ASHLAN AVE. TRAFFIC TO REMAIN ON THE EXISTING ROADWAY.
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4. COORDINATE THE CLOSURE OF GOLDEN STATE BLVD NEAR THE INTERSECTIION WITH ASHLAN AVE WITH THE CLOSURE OF ASHLAN AVE.
5. COORDINATE WITH UPRR AND OBTAIN THE NECESSARY PERMITS PRIOR TO CLOSURE OF EXISTING AT-GRADE RAILROAD CROSSING AT CARNEGIE AVE.







**SECTION E**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY V. CHIO
DRAWN BY R. MUNOZ
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-I1016-GSB
SCALE AS SHOWN
SHEET NO.

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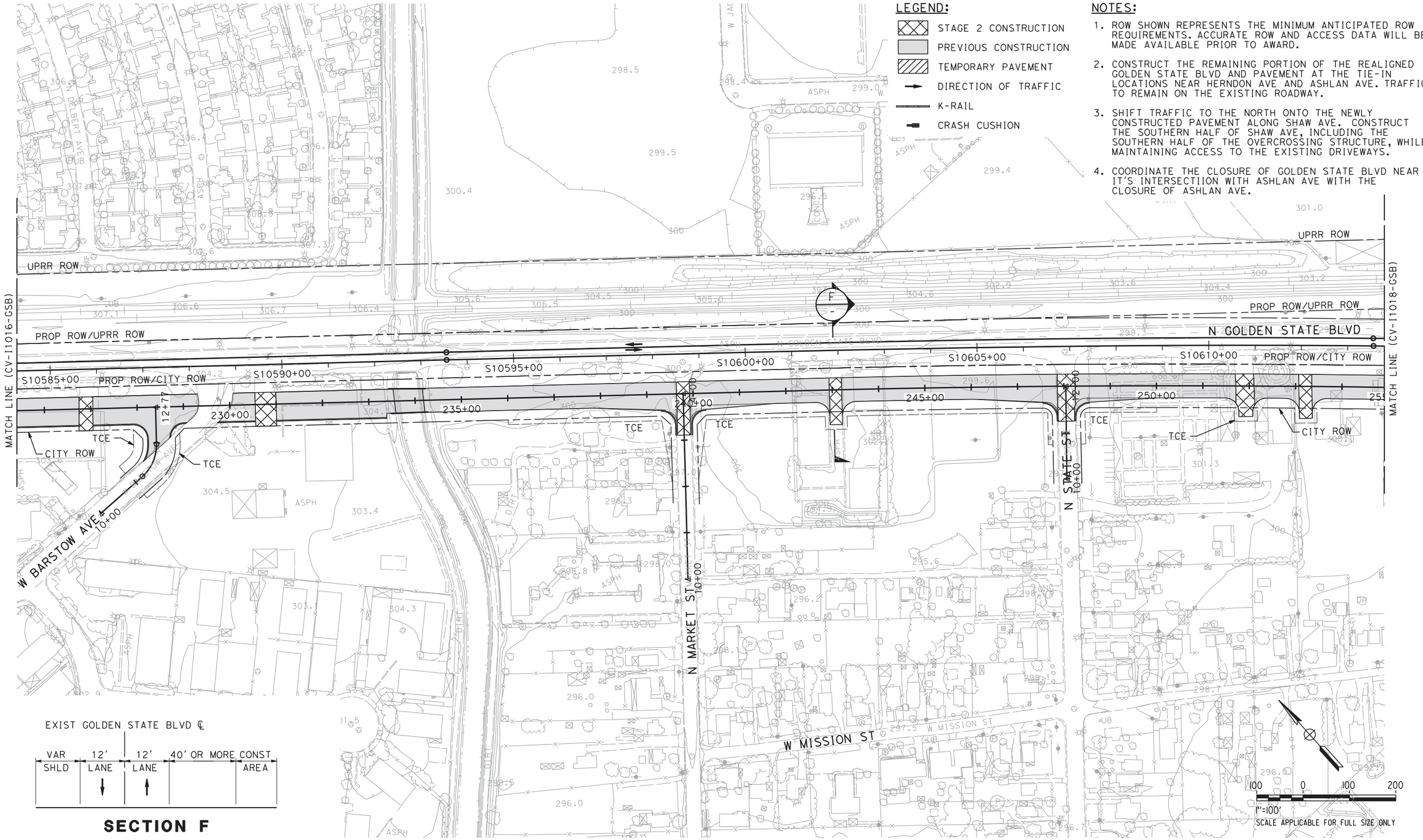
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## LEGEND:

- STAGE 2 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REMAINING PORTION OF THE REALIGNED GOLDEN STATE BLVD AND PAVEMENT AT THE TIE-IN LOCATIONS NEAR HERNDON AVE AND ASHLAN AVE. TRAFFIC TO REMAIN ON THE EXISTING ROADWAY.
3. SHIFT TRAFFIC TO THE NORTH ONTO THE NEWLY CONSTRUCTED PAVEMENT ALONG SHAW AVE. CONSTRUCT THE SOUTHERN HALF OF SHAW AVE, INCLUDING THE SOUTHERN HALF OF THE OVERCROSSING STRUCTURE, WHILE MAINTAINING ACCESS TO THE EXISTING DRIVEWAYS.
4. COORDINATE THE CLOSURE OF GOLDEN STATE BLVD NEAR IT'S INTERSECTIION WITH ASHLAN AVE WITH THE CLOSURE OF ASHLAN AVE.




EXIST GOLDEN STATE BLVD ℄

| VAR SHLD | 12′ LANE | 12′ LANE | 40′ OR MORE CONST AREA |
|---|---|---|---|

**SECTION F**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY V. CHIO
DRAWN BY R. MUNOZ
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-I1017-GSB
SCALE AS SHOWN
SHEET NO.

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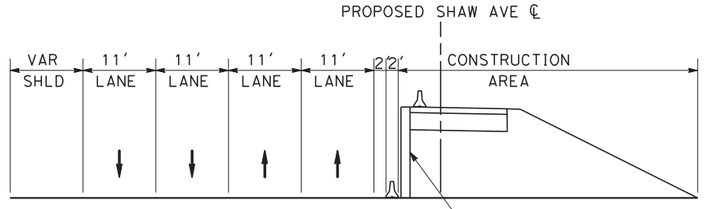
MATCH LINE (CV-I1017-GSB)

## NOTES:

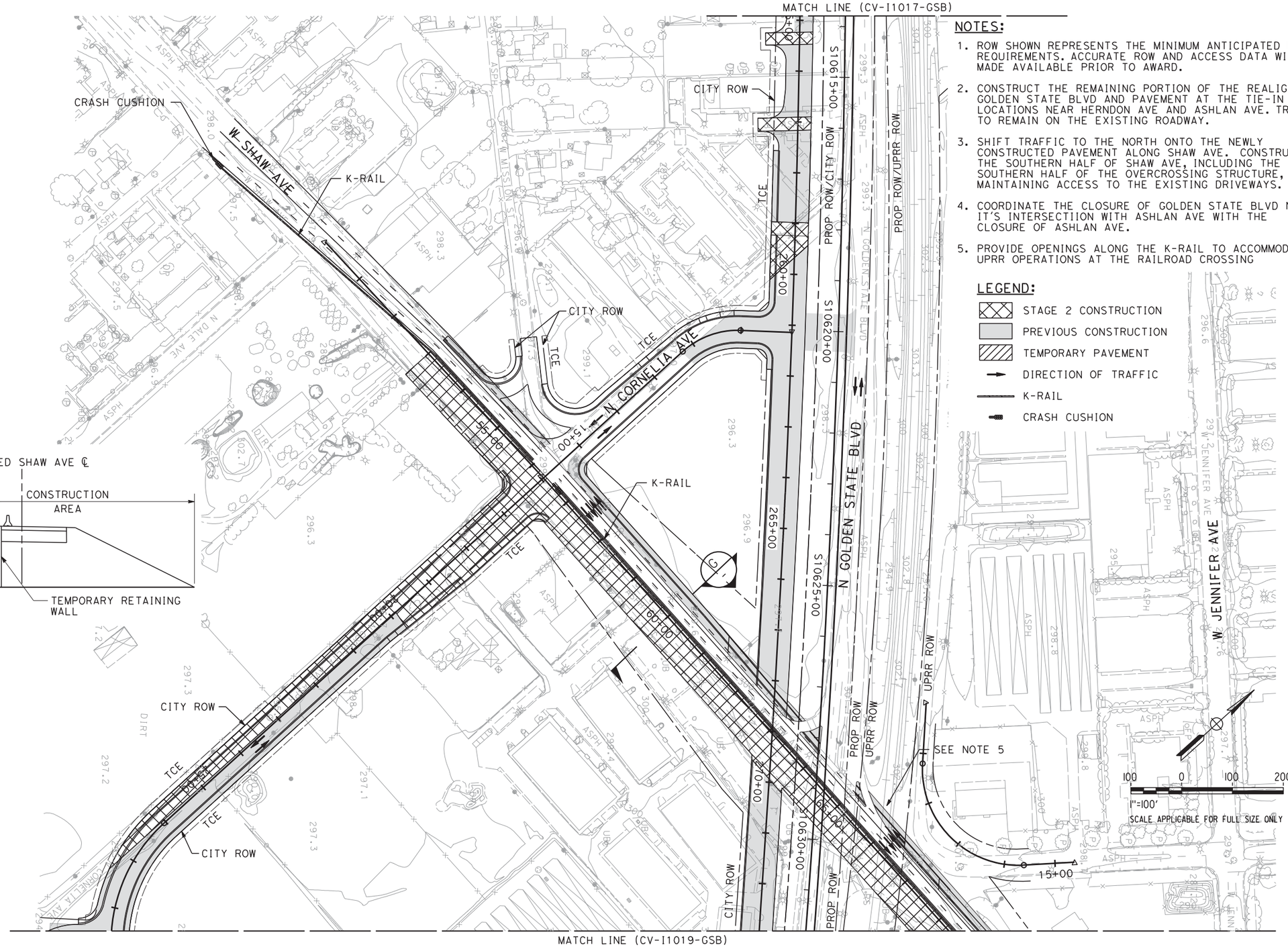
1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REMAINING PORTION OF THE REALIGNED GOLDEN STATE BLVD AND PAVEMENT AT THE TIE-IN LOCATIONS NEAR HERNDON AVE AND ASHLAN AVE. TRAFFIC TO REMAIN ON THE EXISTING ROADWAY.
3. SHIFT TRAFFIC TO THE NORTH ONTO THE NEWLY CONSTRUCTED PAVEMENT ALONG SHAW AVE. CONSTRUCT THE SOUTHERN HALF OF SHAW AVE, INCLUDING THE SOUTHERN HALF OF THE OVERCROSSING STRUCTURE, WHILE MAINTAINING ACCESS TO THE EXISTING DRIVEWAYS.
4. COORDINATE THE CLOSURE OF GOLDEN STATE BLVD NEAR IT'S INTERSECTION WITH ASHLAN AVE WITH THE CLOSURE OF ASHLAN AVE.
5. PROVIDE OPENINGS ALONG THE K-RAIL TO ACCOMMODATE UPRR OPERATIONS AT THE RAILROAD CROSSING

## LEGEND:

- STAGE 2 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION




**SECTION G**




MATCH LINE (CV-I1019-GSB)

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY V. CHIO
DRAWN BY R. MUNOZ
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-I1018-GSB
SCALE AS SHOWN
SHEET NO.

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MATCH LINE (CV-I1018-GSB)

CITY ROW

CITY ROW

CITY ROW

CITY ROW

TCE

PROP CITY ROW

UPRR ROW

PROP ROW/UPRR ROW

UPRR ROW

TCE

K-RAIL

W SHAW AVE

N JENNIFER AVE

N BLYTHE AVE

N GOLDEN STATE BLVD

MATCH LINE (CV-I1020-GSB)

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REMAINING PORTION OF THE REALIGNED GOLDEN STATE BLVD AND PAVEMENT AT THE TIE-IN LOCATIONS NEAR HERNDON AVE AND ASHLAN AVE. TRAFFIC TO REMAIN ON THE EXISTING ROADWAY.
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4. COORDINATE THE CLOSURE OF GOLDEN STATE BLVD NEAR IT'S INTERSECTIION WITH ASHLAN AVE WITH THE CLOSURE OF ASHLAN AVE.

## LEGEND:

- STAGE 2 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

PROPOSED SHAW AVE ℄

| VAR SHLD | 11′ LANE | 11′ LANE | 11′ LANE | 11′ LANE | 2 | 2′ | CONSTRUCTION AREA |
|---|---|---|---|---|---|---|---|

TEMPORARY RETAINING WALL

**SECTION H**

100 0 100 200

1"=100′

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY R. MUNOZ
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2
GOLDEN STATE BOULEVARD

CONTRACT NO.
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SHEET NO.

12/6/2011 10:28:43 AM

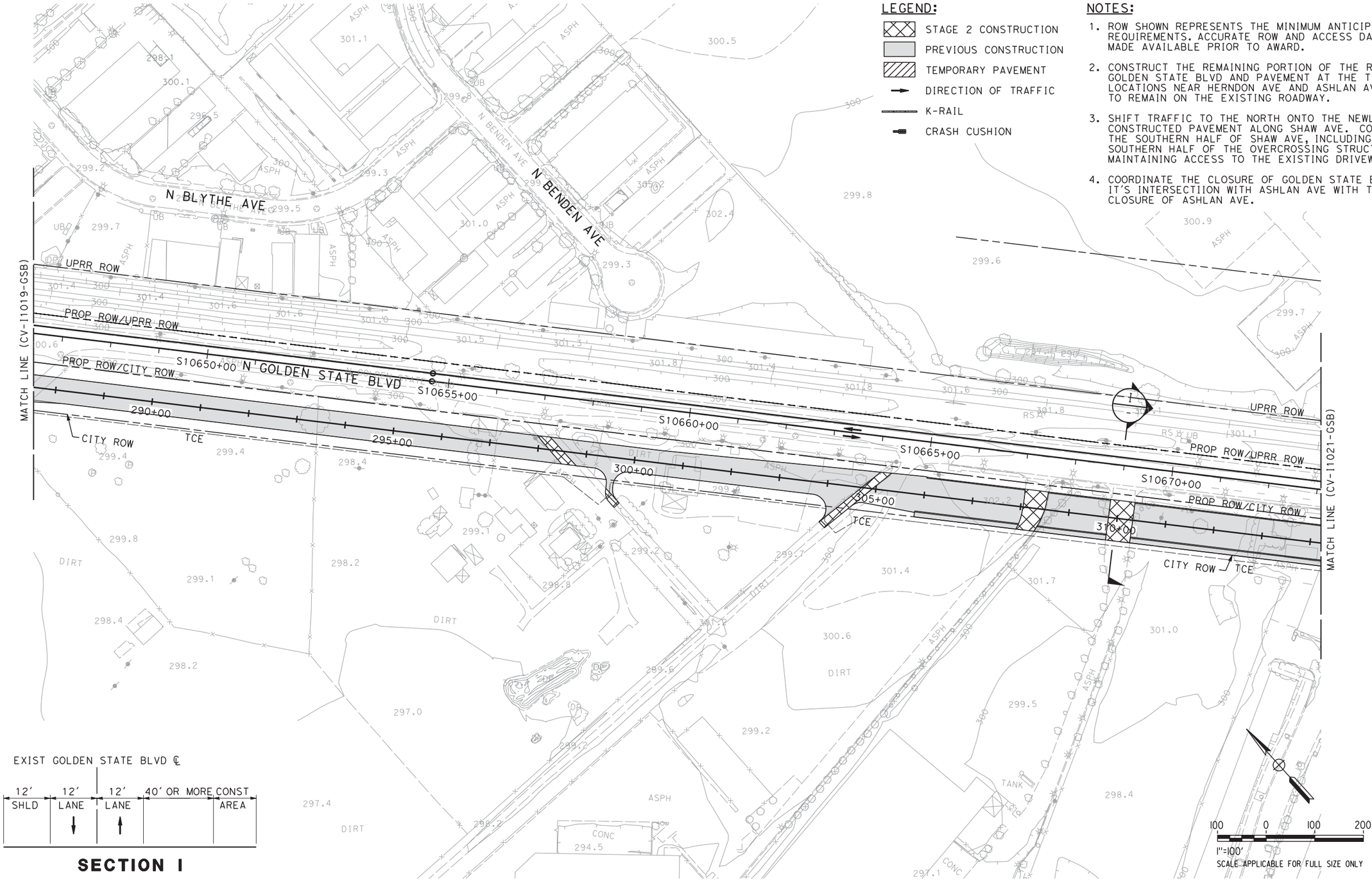
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sleong

## LEGEND:

- STAGE 2 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REMAINING PORTION OF THE REALIGNED GOLDEN STATE BLVD AND PAVEMENT AT THE TIE-IN LOCATIONS NEAR HERNDON AVE AND ASHLAN AVE. TRAFFIC TO REMAIN ON THE EXISTING ROADWAY.
3. SHIFT TRAFFIC TO THE NORTH ONTO THE NEWLY CONSTRUCTED PAVEMENT ALONG SHAW AVE. CONSTRUCT THE SOUTHERN HALF OF SHAW AVE, INCLUDING THE SOUTHERN HALF OF THE OVERCROSSING STRUCTURE, WHILE MAINTAINING ACCESS TO THE EXISTING DRIVEWAYS.
4. COORDINATE THE CLOSURE OF GOLDEN STATE BLVD NEAR IT'S INTERSECTIION WITH ASHLAN AVE WITH THE CLOSURE OF ASHLAN AVE.







**SECTION I**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY V. CHIO
DRAWN BY R. MUNOZ
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-11020-GSB
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SHEET NO.

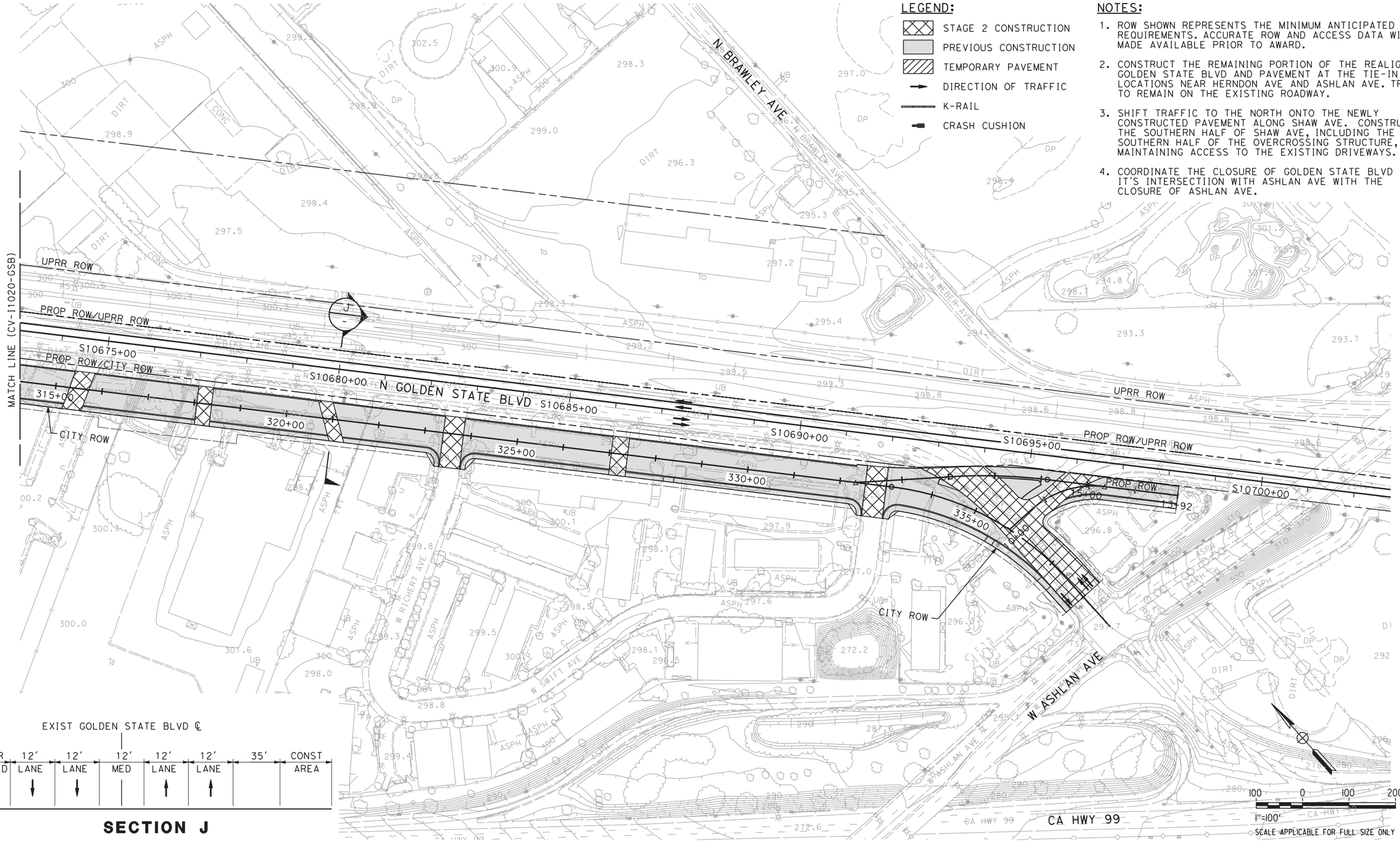
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## LEGEND:

- STAGE 2 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. CONSTRUCT THE REMAINING PORTION OF THE REALIGNED GOLDEN STATE BLVD AND PAVEMENT AT THE TIE-IN LOCATIONS NEAR HERNDON AVE AND ASHLAN AVE. TRAFFIC TO REMAIN ON THE EXISTING ROADWAY.
3. SHIFT TRAFFIC TO THE NORTH ONTO THE NEWLY CONSTRUCTED PAVEMENT ALONG SHAW AVE. CONSTRUCT THE SOUTHERN HALF OF SHAW AVE, INCLUDING THE SOUTHERN HALF OF THE OVERCROSSING STRUCTURE, WHILE MAINTAINING ACCESS TO THE EXISTING DRIVEWAYS.
4. COORDINATE THE CLOSURE OF GOLDEN STATE BLVD NEAR IT'S INTERSECTIION WITH ASHLAN AVE WITH THE CLOSURE OF ASHLAN AVE.




EXIST GOLDEN STATE BLVD ℄

| VAR SHLD | 12′ LANE | 12′ LANE | 12′ MED | 12′ LANE | 12′ LANE | 35′ | CONST AREA |
|---|---|---|---|---|---|---|---|

**SECTION J**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY V. CHIO
DRAWN BY R. MUNOZ
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-I1021-GSB
SCALE AS SHOWN
SHEET NO.

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## NOTES:

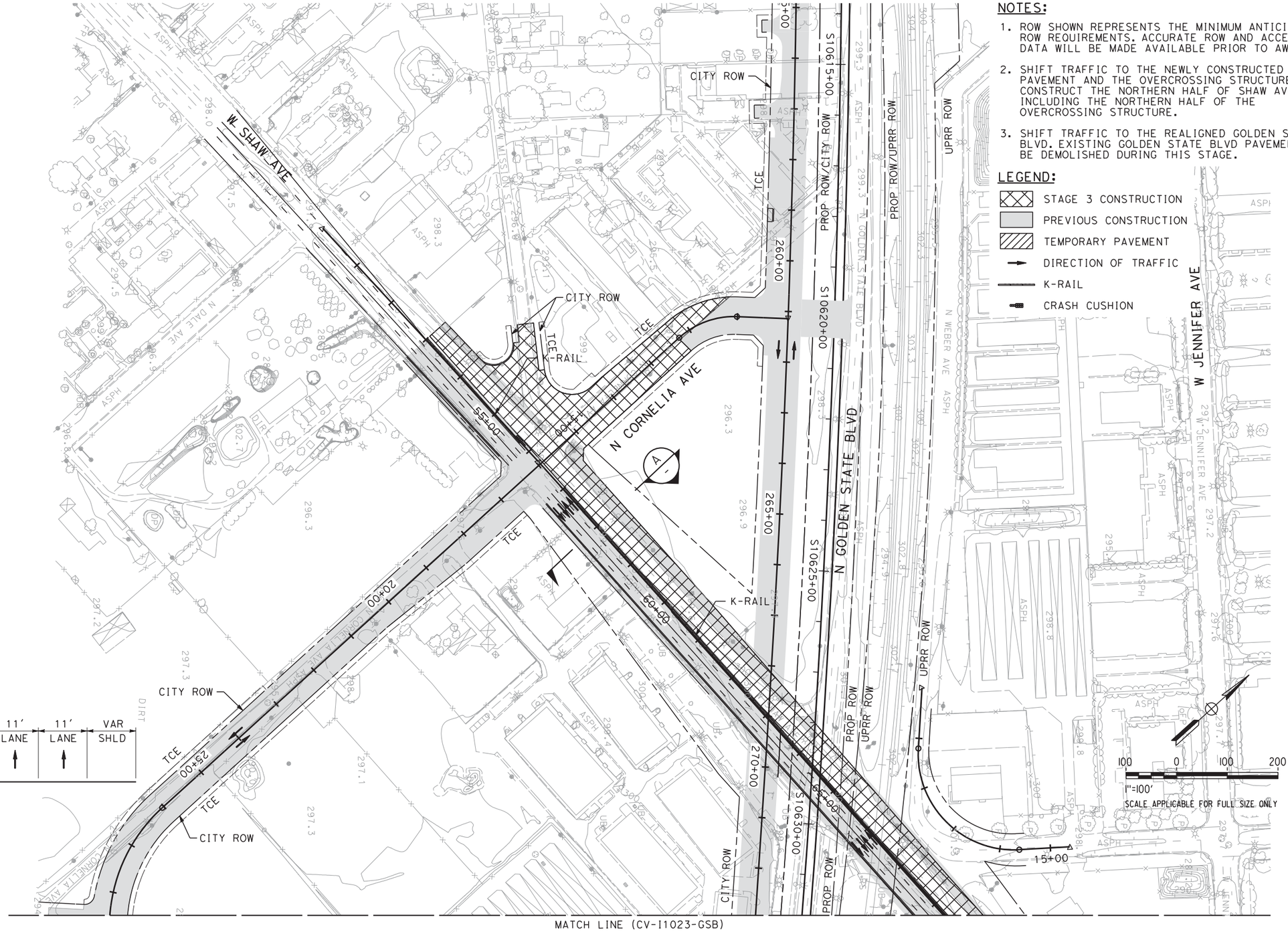
1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. SHIFT TRAFFIC TO THE NEWLY CONSTRUCTED PAVEMENT AND THE OVERCROSSING STRUCTURE. CONSTRUCT THE NORTHERN HALF OF SHAW AVE, INCLUDING THE NORTHERN HALF OF THE OVERCROSSING STRUCTURE.
3. SHIFT TRAFFIC TO THE REALIGNED GOLDEN STATE BLVD. EXISTING GOLDEN STATE BLVD PAVEMENT TO BE DEMOLISHED DURING THIS STAGE.

## LEGEND:

- STAGE 3 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION




**SECTION A**




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY V. CHIO
DRAWN BY R. MUNOZ
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

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2020 L Street, Suite 300
Sacramento, CA 95811

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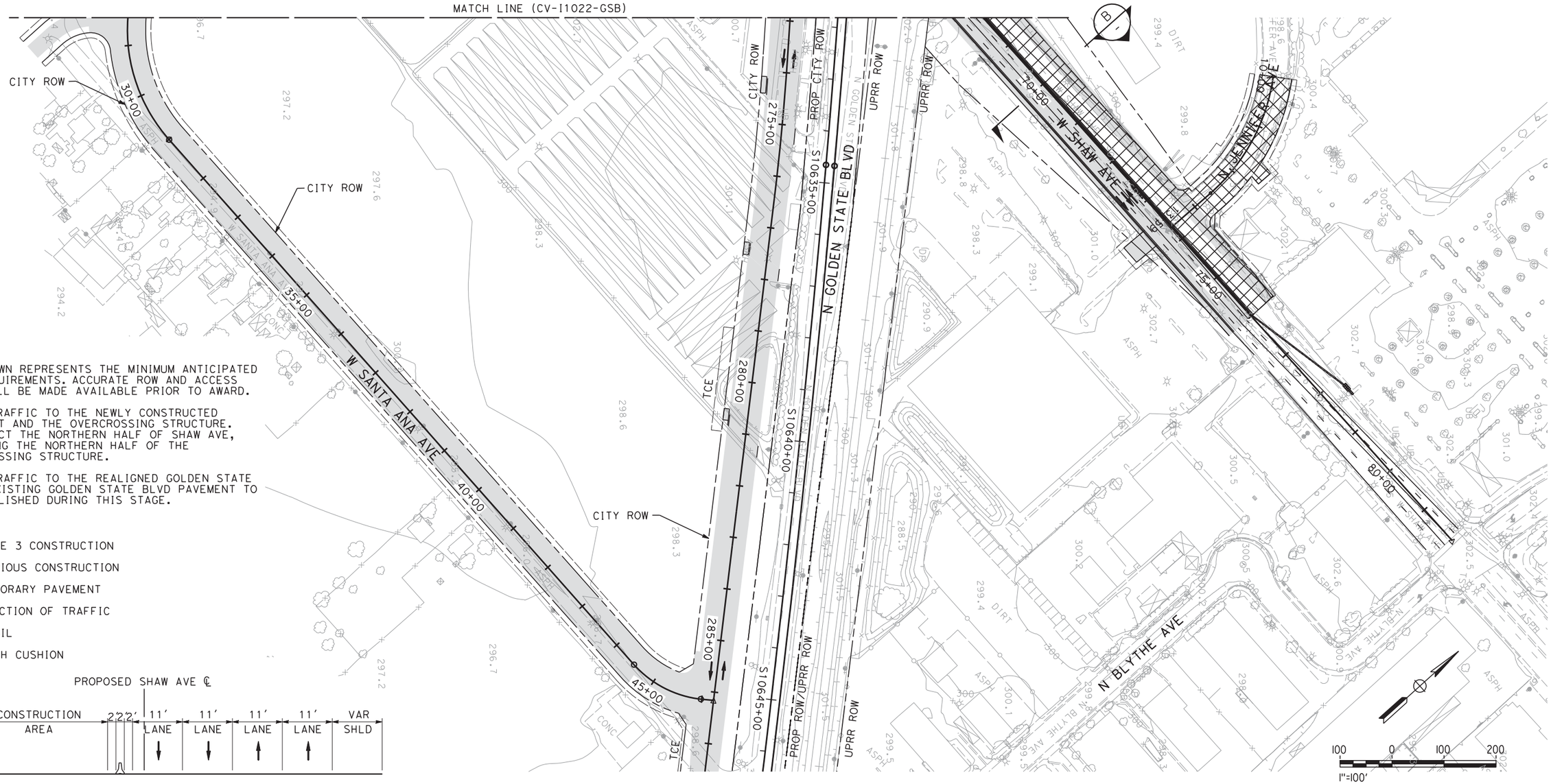
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 3
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-I1022-GSB
SCALE AS SHOWN
SHEET NO.

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NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. SHIFT TRAFFIC TO THE NEWLY CONSTRUCTED PAVEMENT AND THE OVERCROSSING STRUCTURE. CONSTRUCT THE NORTHERN HALF OF SHAW AVE, INCLUDING THE NORTHERN HALF OF THE OVERCROSSING STRUCTURE.
3. SHIFT TRAFFIC TO THE REALIGNED GOLDEN STATE BLVD. EXISTING GOLDEN STATE BLVD PAVEMENT TO BE DEMOLISHED DURING THIS STAGE.

LEGEND:

- STAGE 3 CONSTRUCTION
- PREVIOUS CONSTRUCTION
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- K-RAIL
- CRASH CUSHION




**SECTION B**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY V. CHIO
DRAWN BY R. MUNOZ
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 3
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-I1023-GSB
SCALE AS SHOWN
SHEET NO.

## LEGEND:

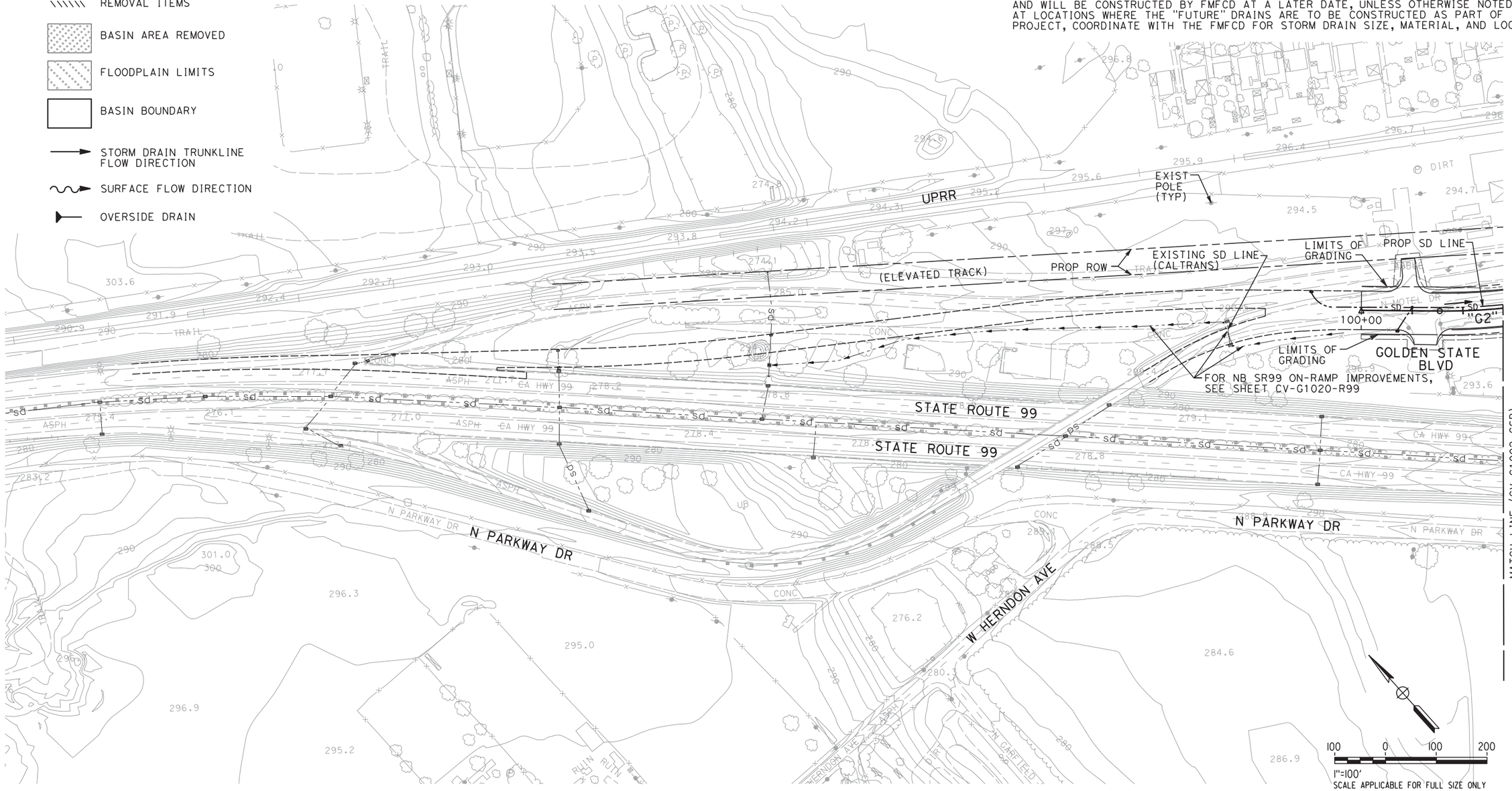
- ROCK SLOPE PROTECTION (RSP)
- DRAINAGE INLET OR CATCH BASIN
- SD — STORM DRAIN
- EARTHEN DITCH, OR BIOFILTRATION SWALE, OR GRADE TO DRAIN
- REMOVAL ITEMS
- BASIN AREA REMOVED
- FLOODPLAIN LIMITS
- BASIN BOUNDARY
- STORM DRAIN TRUNKLINE FLOW DIRECTION
- SURFACE FLOW DIRECTION
- OVERSIDE DRAIN

## ABBREVIATIONS:

| | |
|---|---|
| FMFCD | FRESNO METROPOLITAN FLOOD CONTROL DISTRICT |
| OSD | OVERSIDE DRAIN |
| POC | POINT OF CONNECTION |

## GENERAL DRAINAGE NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING STORM DRAINS ARE BASED ON BEST AVAILABLE INFORMATION. VERIFY LOCATIONS AND ELEVATIONS OF ALL STORM DRAINS.
3. THE FMFCD "FUTURE" STORM DRAINS SHOWN ON THE PLANS ARE FOR REFERENCE ONLY, AND WILL BE CONSTRUCTED BY FMFCD AT A LATER DATE, UNLESS OTHERWISE NOTED. AT LOCATIONS WHERE THE "FUTURE" DRAINS ARE TO BE CONSTRUCTED AS PART OF THIS PROJECT, COORDINATE WITH THE FMFCD FOR STORM DRAIN SIZE, MATERIAL, AND LOCATION.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
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DESIGNED BY M. RANDALL
DRAWN BY J. TYLER
CHECKED BY R. HENDERSON
IN CHARGE F. NOBARI
DATE 02/01/12

**PROPOSED PRELIMINARY DESIGN**

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Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

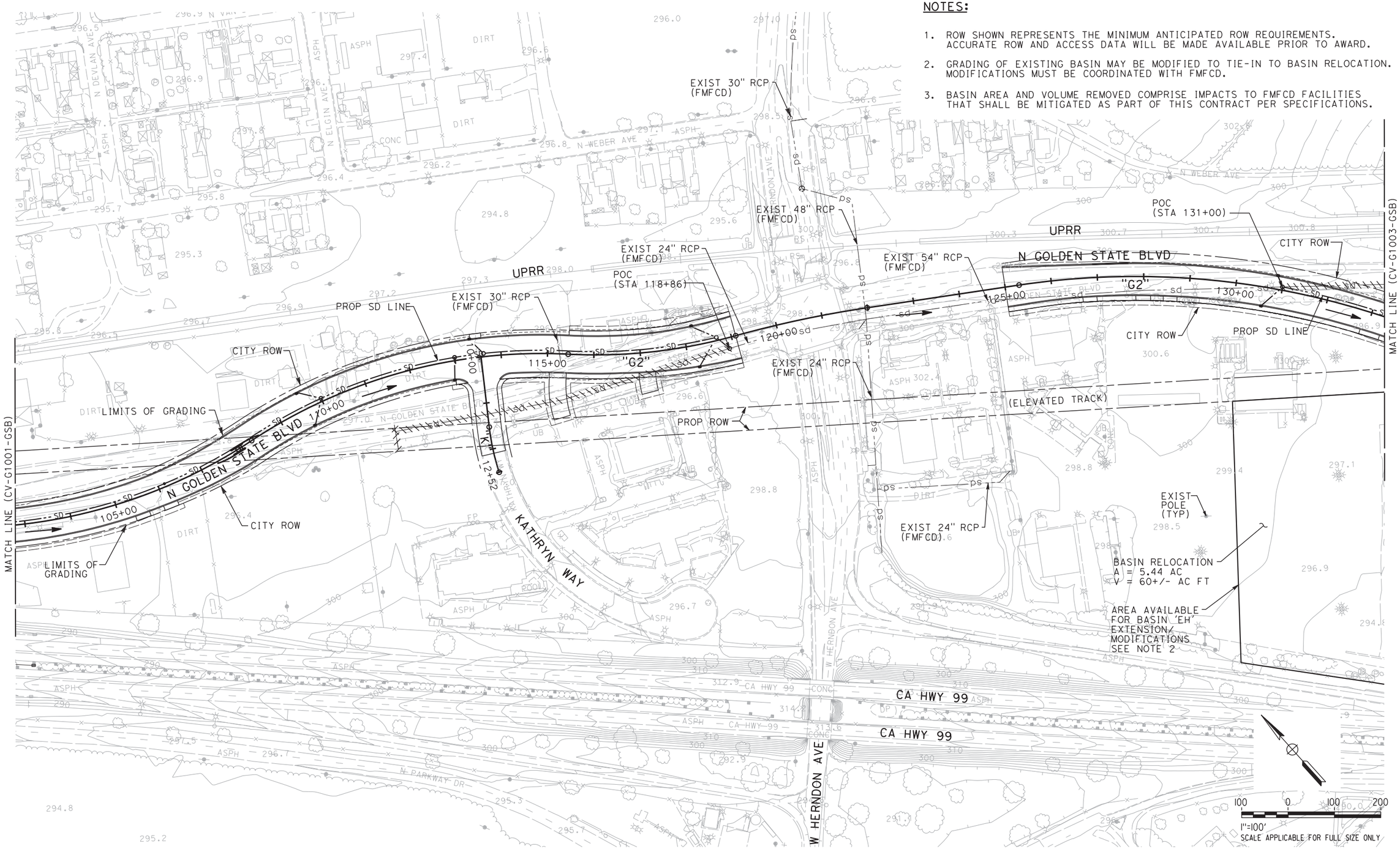
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-G1001-GSB
SCALE AS SHOWN
SHEET NO.

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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. GRADING OF EXISTING BASIN MAY BE MODIFIED TO TIE-IN TO BASIN RELOCATION. MODIFICATIONS MUST BE COORDINATED WITH FMFCD.
3. BASIN AREA AND VOLUME REMOVED COMPRISE IMPACTS TO FMFCD FACILITIES THAT SHALL BE MITIGATED AS PART OF THIS CONTRACT PER SPECIFICATIONS.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY M. RANDALL
DRAWN BY J. TYLER
CHECKED BY R. HENDERSON
IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

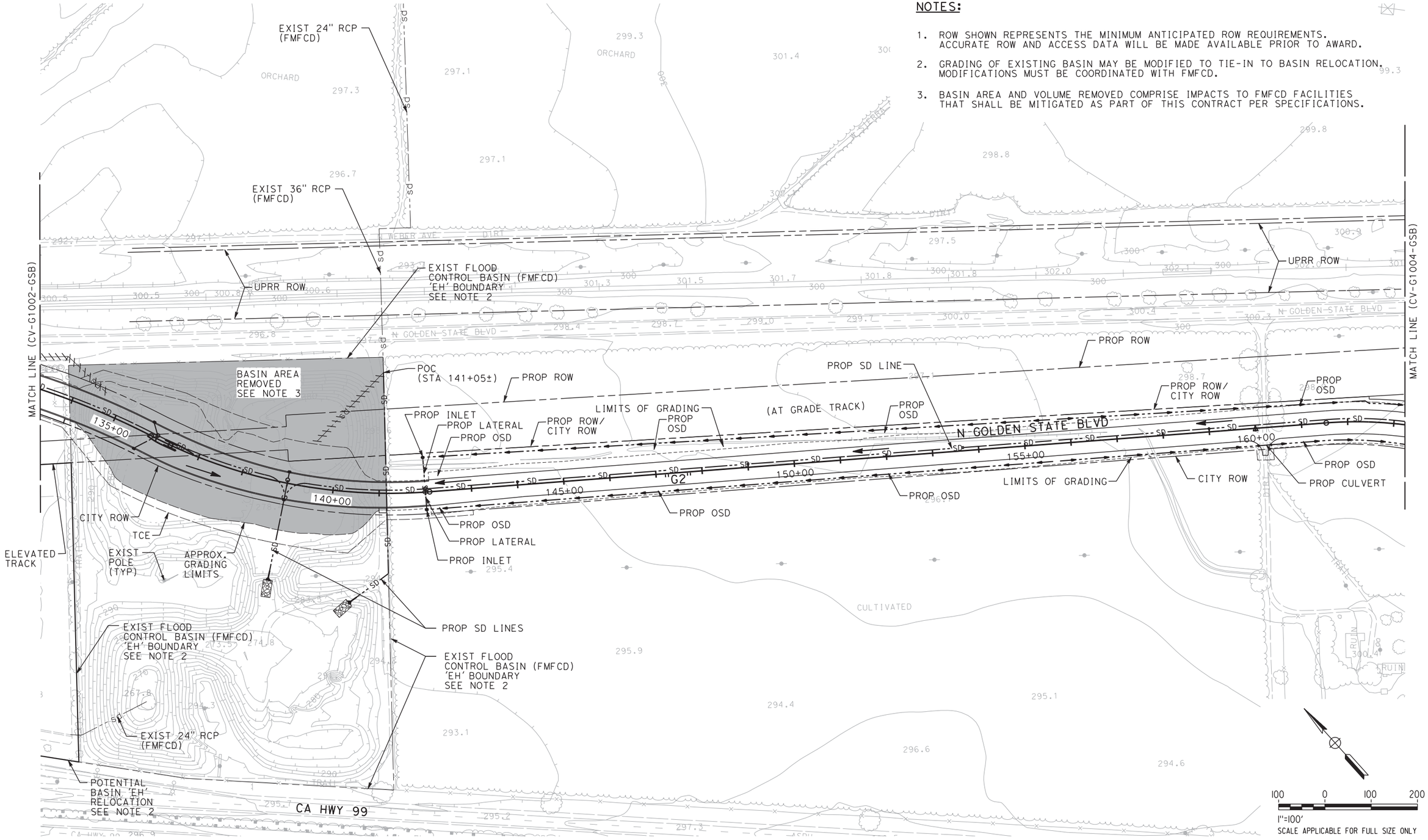
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-G1002-GSB
SCALE AS SHOWN
SHEET NO.

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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. GRADING OF EXISTING BASIN MAY BE MODIFIED TO TIE-IN TO BASIN RELOCATION. MODIFICATIONS MUST BE COORDINATED WITH FMFCD.
3. BASIN AREA AND VOLUME REMOVED COMPRISE IMPACTS TO FMFCD FACILITIES THAT SHALL BE MITIGATED AS PART OF THIS CONTRACT PER SPECIFICATIONS.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
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DESIGNED BY M. RANDALL
DRAWN BY J. TYLER
CHECKED BY R. HENDERSON
IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

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AECOM Technical Services, Inc.
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

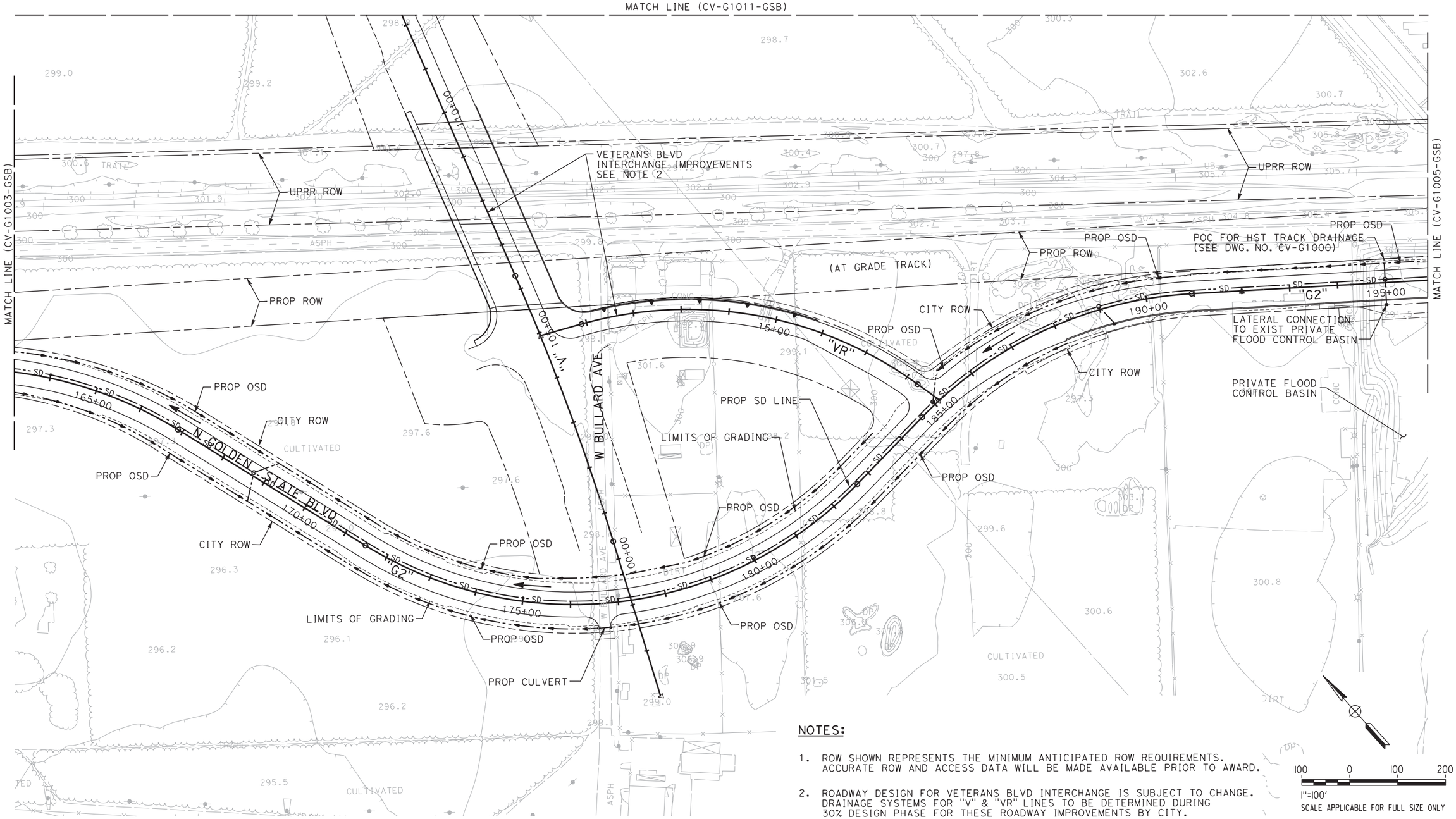
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-G1003-GSB
SCALE AS SHOWN
SHEET NO.

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NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. ROADWAY DESIGN FOR VETERANS BLVD INTERCHANGE IS SUBJECT TO CHANGE. DRAINAGE SYSTEMS FOR "V" & "VR" LINES TO BE DETERMINED DURING 30% DESIGN PHASE FOR THESE ROADWAY IMPROVEMENTS BY CITY.

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: M. RANDALL
DRAWN BY: J. TYLER
CHECKED BY: R. HENDERSON
IN CHARGE: F. NOBARI
DATE: 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

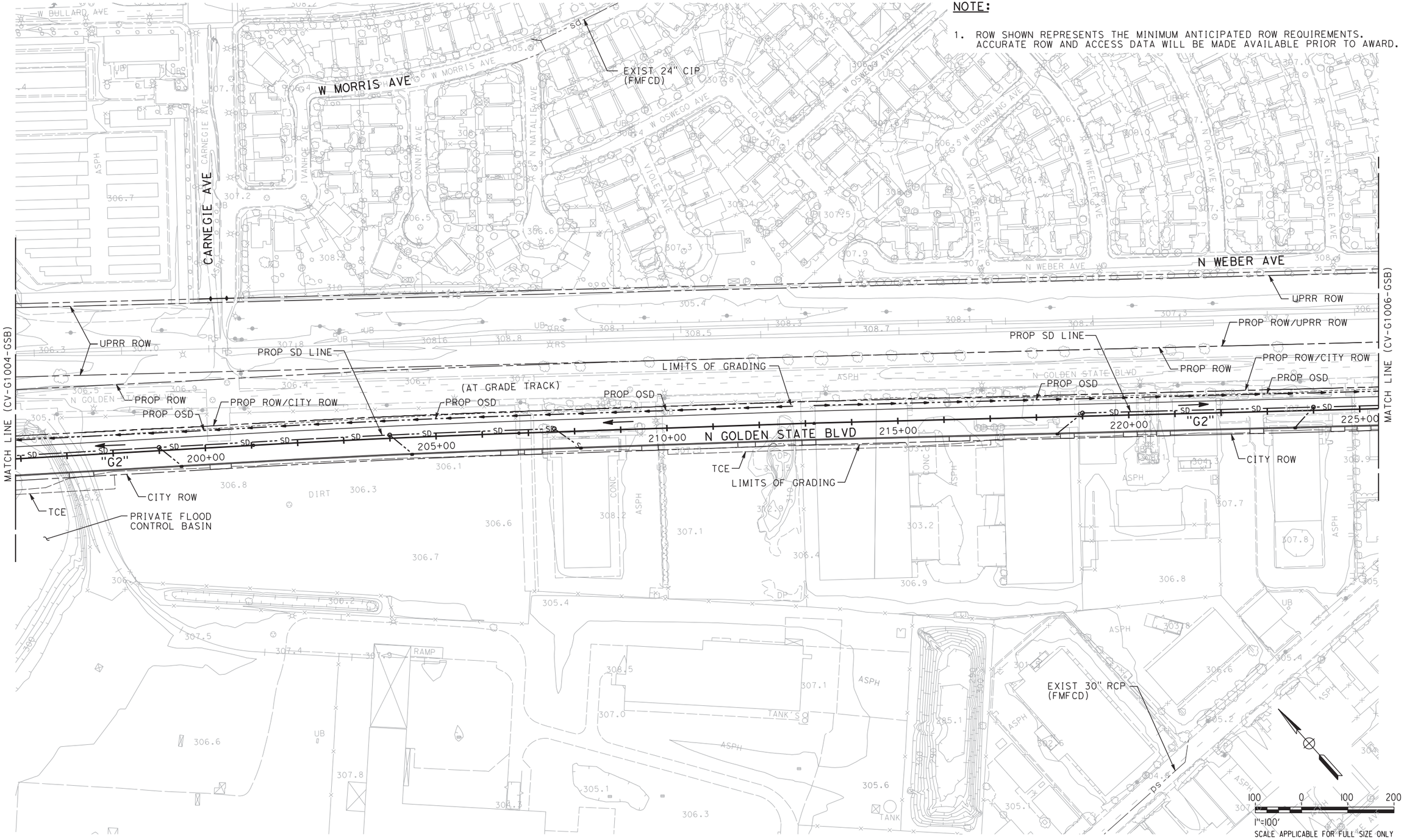
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-G1004-GSB
SCALE AS SHOWN
SHEET NO.

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NOTE:

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DESIGNED BY M. RANDALL
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IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-G1005-GSB
SCALE AS SHOWN
SHEET NO.

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**NOTE:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.

EXIST 18" RCP (FMFCD)
EXIST 30" RCP (FMFCD)
EXIST 15" RCP (FMFCD)
HERNDON CANAL FEMA FLOODPLAIN LIMITS
W JENNIFER AVE
EXIST UPRR BRIDGE
UPRR ROW
POC FOR HST TRACK DRAINAGE (SEE DWG. NO. CV-G1002)
POC (STA 233+29±)
PROP ROW/UPRR ROW
MATCH LINE (CV-G1005-GSB)
MATCH LINE (CV-G1007-GSB)
(AT GRADE TRACK)
PROP OSD
PROP ROW/CITY ROW
LIMITS OF GRADING
N GOLDEN STATE BLVD
"G2"
230+00
235+00
240+00
245+00
250+00
CITY ROW
TCE
PROP INLET
HERNDON CANAL BRIDGE (SEE STRUCTURAL PLANS)
PROP CULVERT
W BARSTOW AVE
10+00
EXIST 24" RCP (FMFCD)
HERNDON CANAL
N MARKET ST
N STATE ST
W MISSION AVE
W MISSION ST
100 0 100 200
1"=100'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY M. RANDALL
DRAWN BY J. TYLER
CHECKED BY R. HENDERSON
IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

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2020 L Street, Suite 300 Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

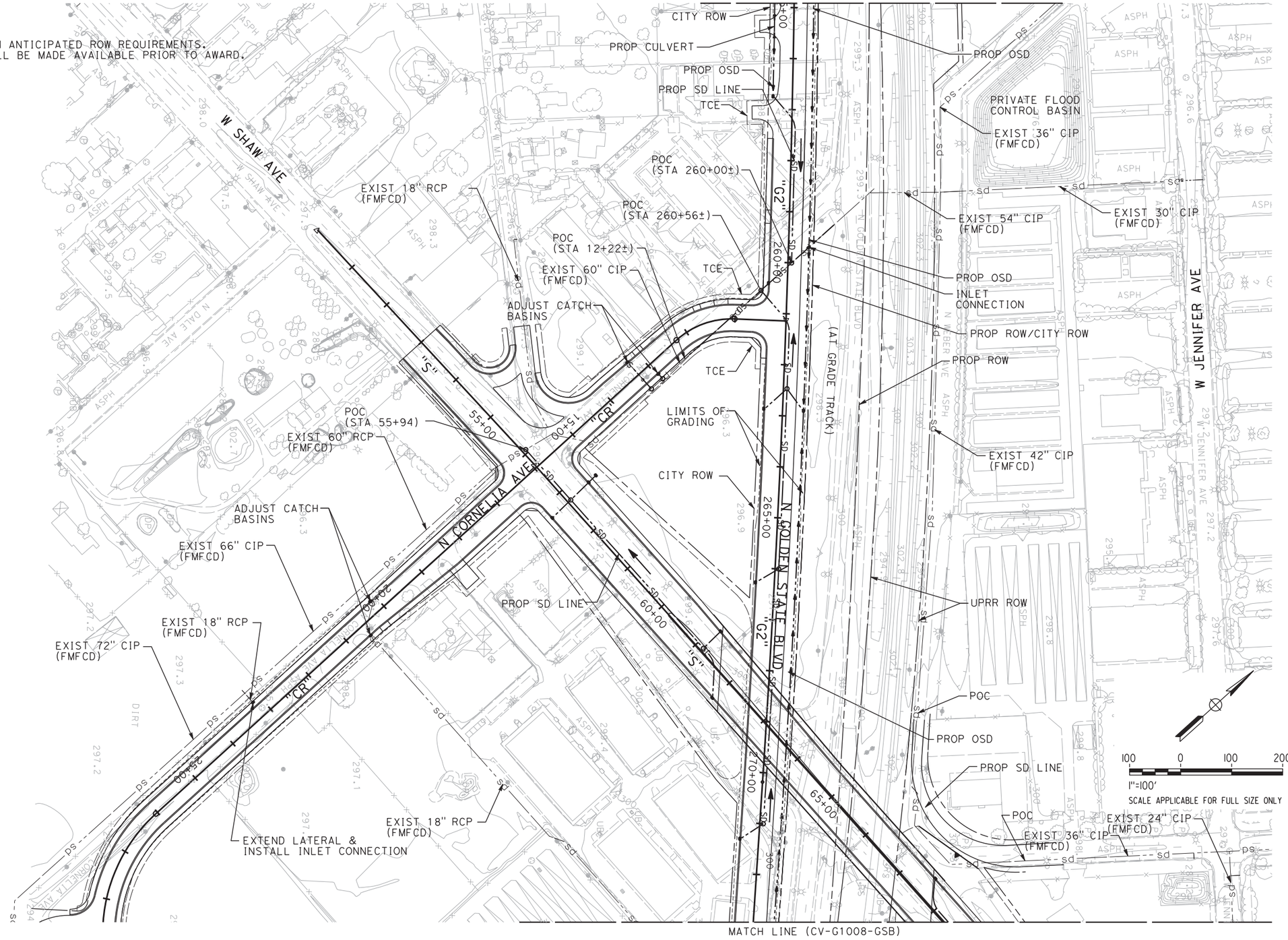
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-G1006-GSB
SCALE AS SHOWN
SHEET NO.

12/2/2011 11:15:28 AM

**NOTE:**

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
GOLDEN STATE BOULEVARD

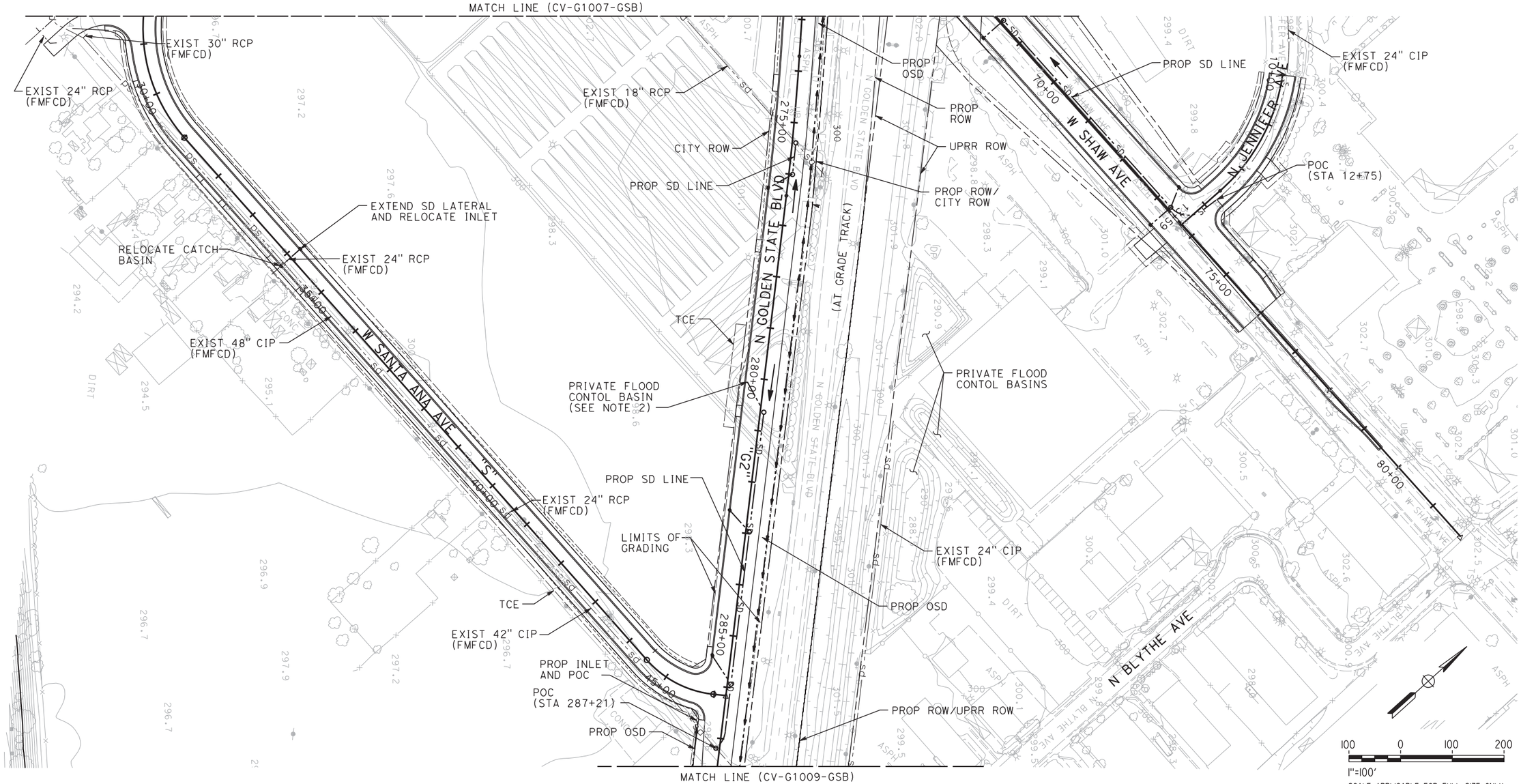
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SCALE AS SHOWN
SHEET NO.

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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. PROVIDE DIRECT CONNECTION TO PRIVATE STORM DRAIN AT BASIN.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
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| | | | | | |

DESIGNED BY M. RANDALL
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CHECKED BY R. HENDERSON
IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

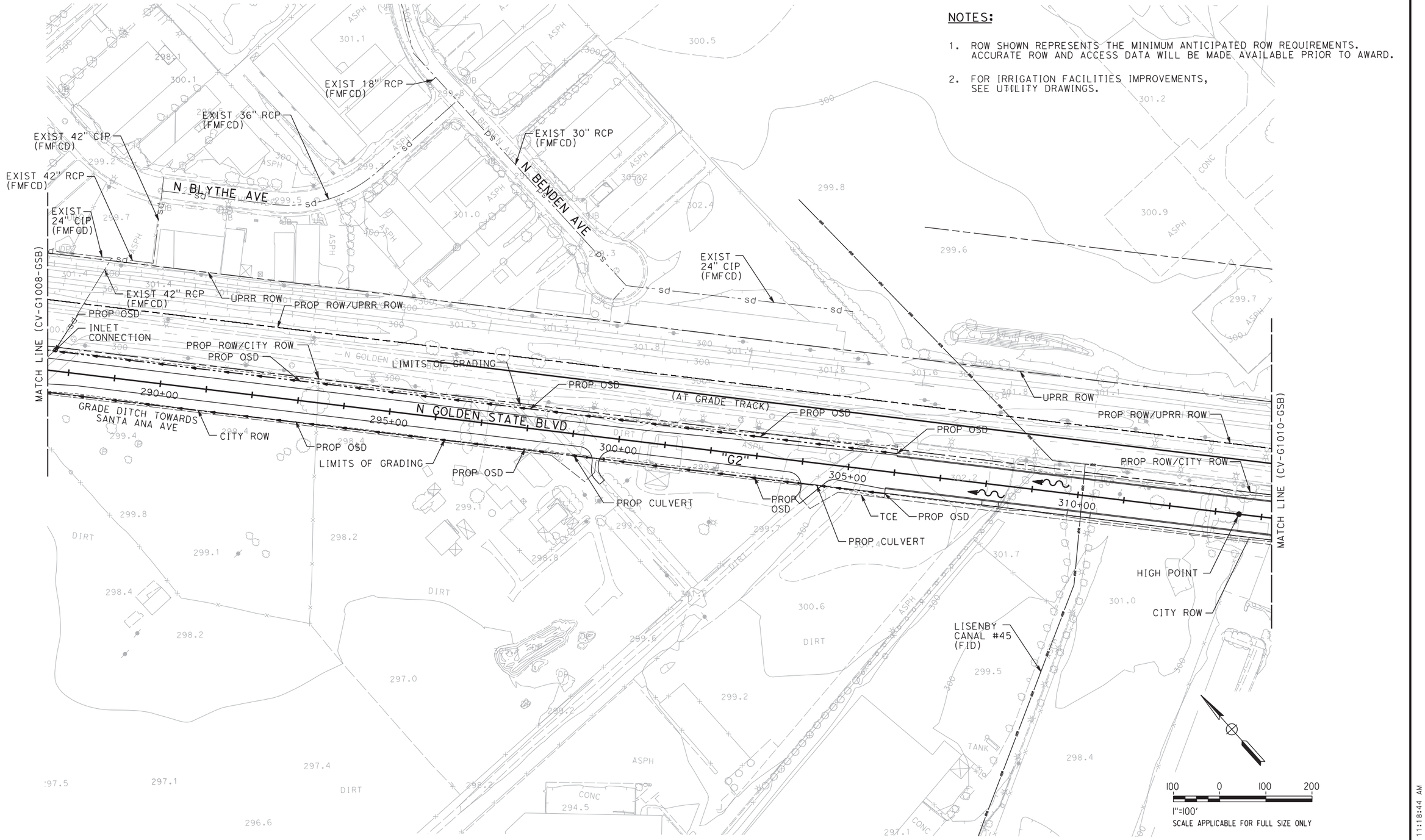
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-G1008-GSB
SCALE AS SHOWN
SHEET NO.

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| REV | DATE | BY | CHK | APP | DESCRIPTION |
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DESIGNED BY M. RANDALL
DRAWN BY J. TYLER
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IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

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AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

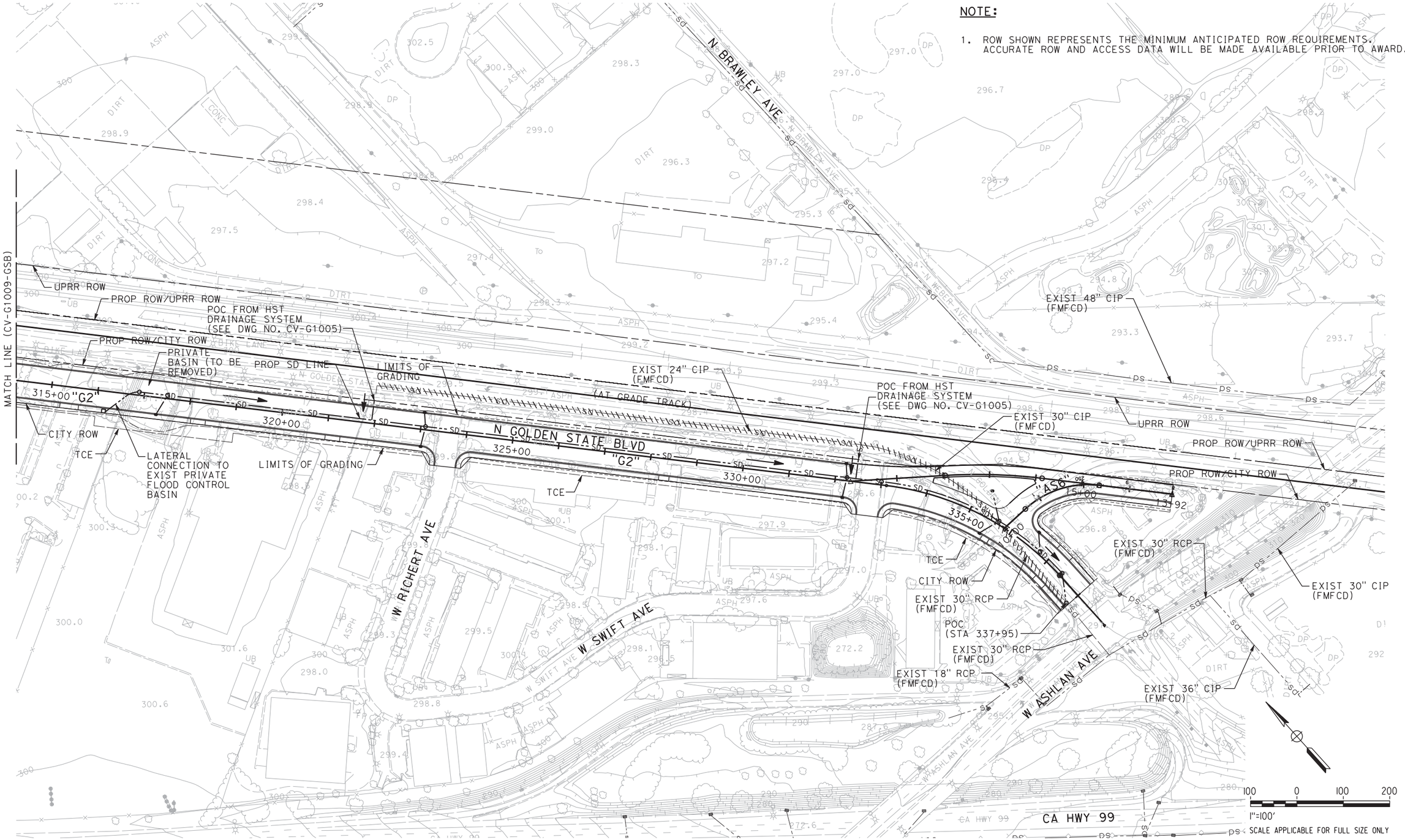
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-G1009-GSB
SCALE AS SHOWN
SHEET NO.

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12/2/2011 11:18:44 AM

NOTE:

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DESIGNED BY M. RANDALL
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Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
GOLDEN STATE BOULEVARD

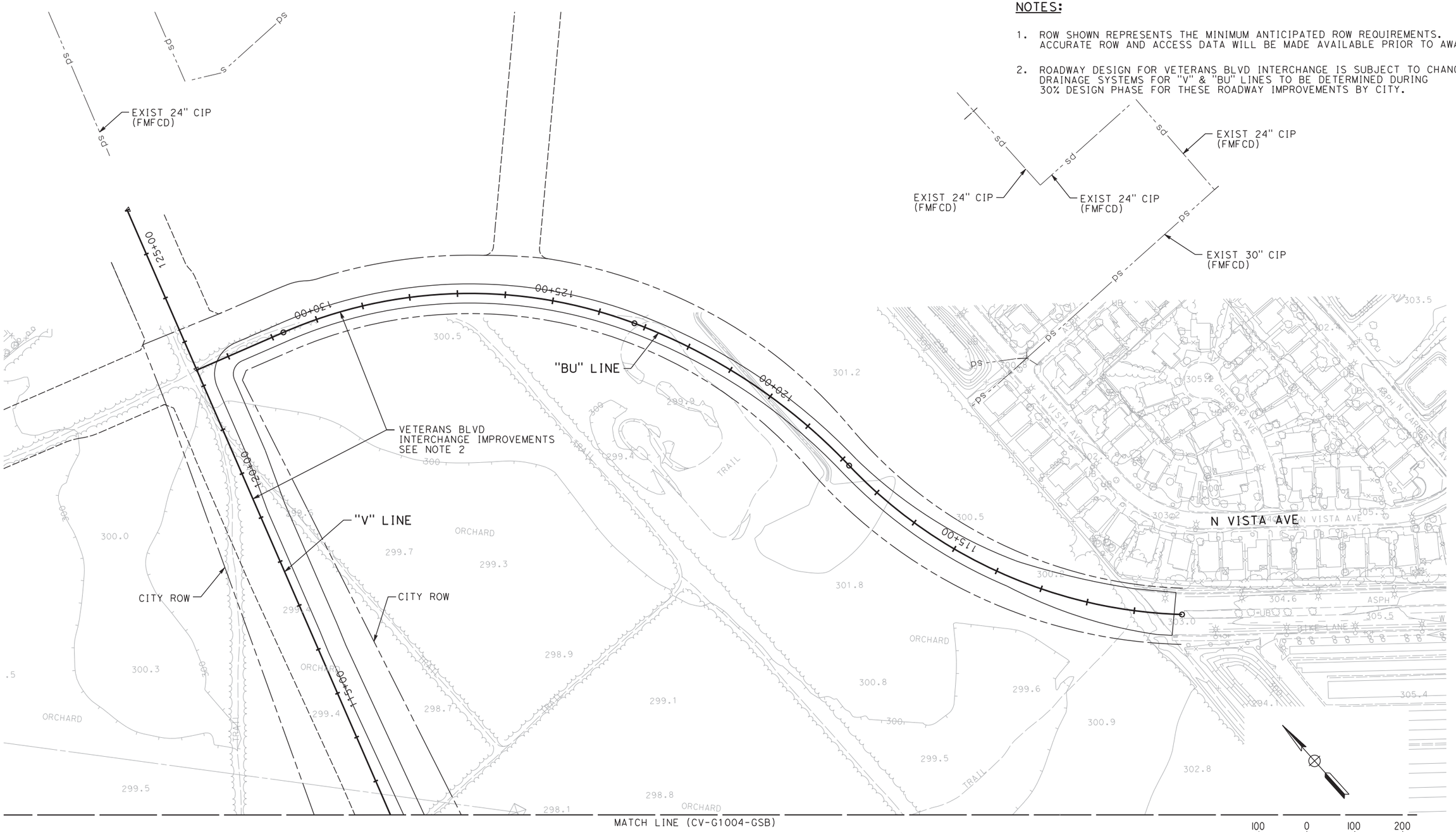
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DRAWING NO. CV-G1010-GSB
SCALE AS SHOWN
SHEET NO.

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C:\Users\imatagi\Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-G1011-GSB.dgn
CAHSRP-r1.tbl CHSR_half_black.plt 12/2/2011 11:20:59 AM imatagi

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
2. ROADWAY DESIGN FOR VETERANS BLVD INTERCHANGE IS SUBJECT TO CHANGE. DRAINAGE SYSTEMS FOR "V" & "BU" LINES TO BE DETERMINED DURING 30% DESIGN PHASE FOR THESE ROADWAY IMPROVEMENTS BY CITY.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY M. RANDALL
DRAWN BY J. TYLER
CHECKED BY R. HENDERSON
IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
GOLDEN STATE BOULEVARD

CONTRACT NO.
DRAWING NO. CV-G1011-GSB
SCALE AS SHOWN
SHEET NO.

12/2/2011 11:20:59 AM

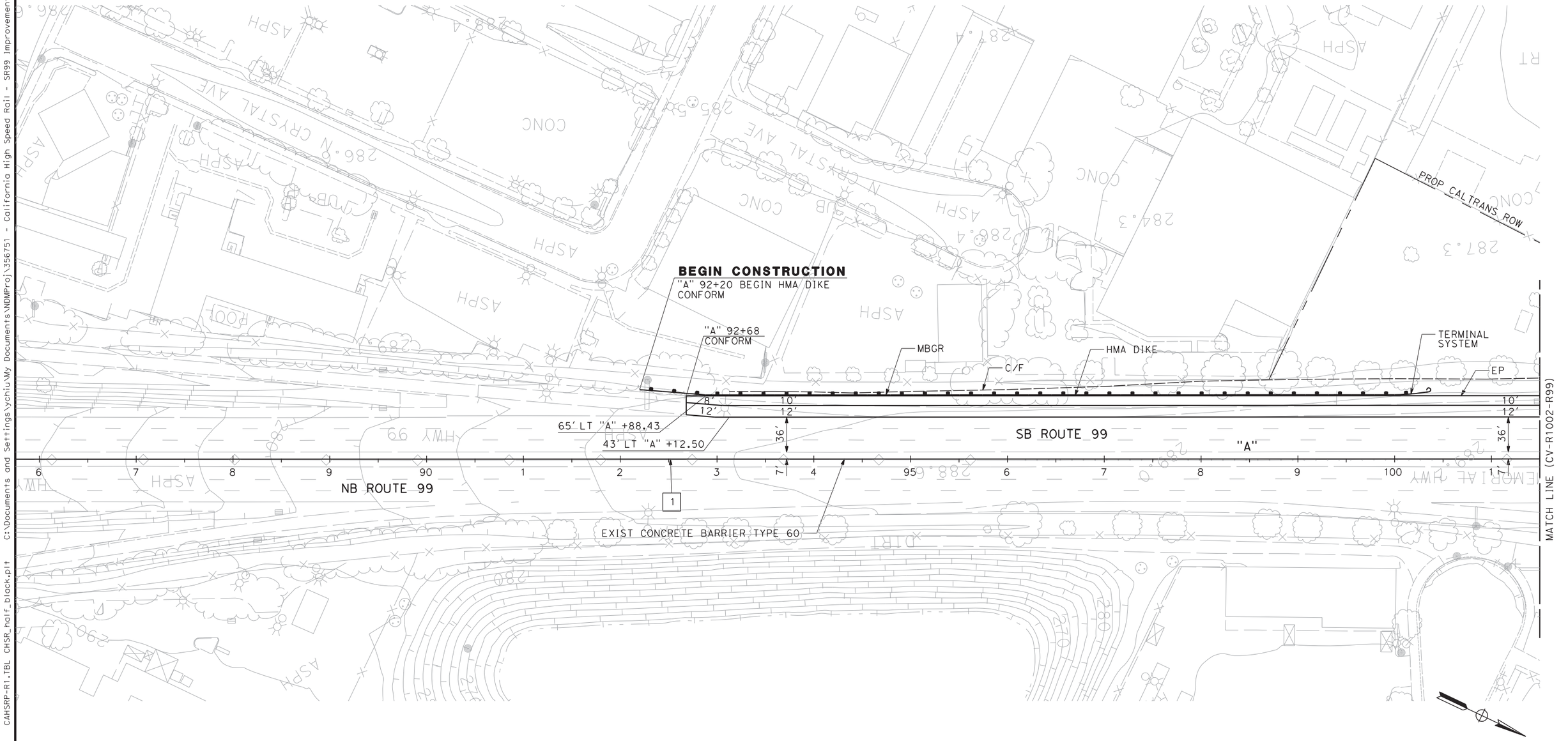
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11/16/2011 1:58:26 PM CAHSRP-R1.TBL CHSR_half_black.plt ychiu

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 1 | N 25°25'58" W | 4814.16' |

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - HIGHWAY

CONTRACT NO.
DRAWING NO. CV-R1001-R99
SCALE AS SHOWN
SHEET NO.

## CURVE DATA

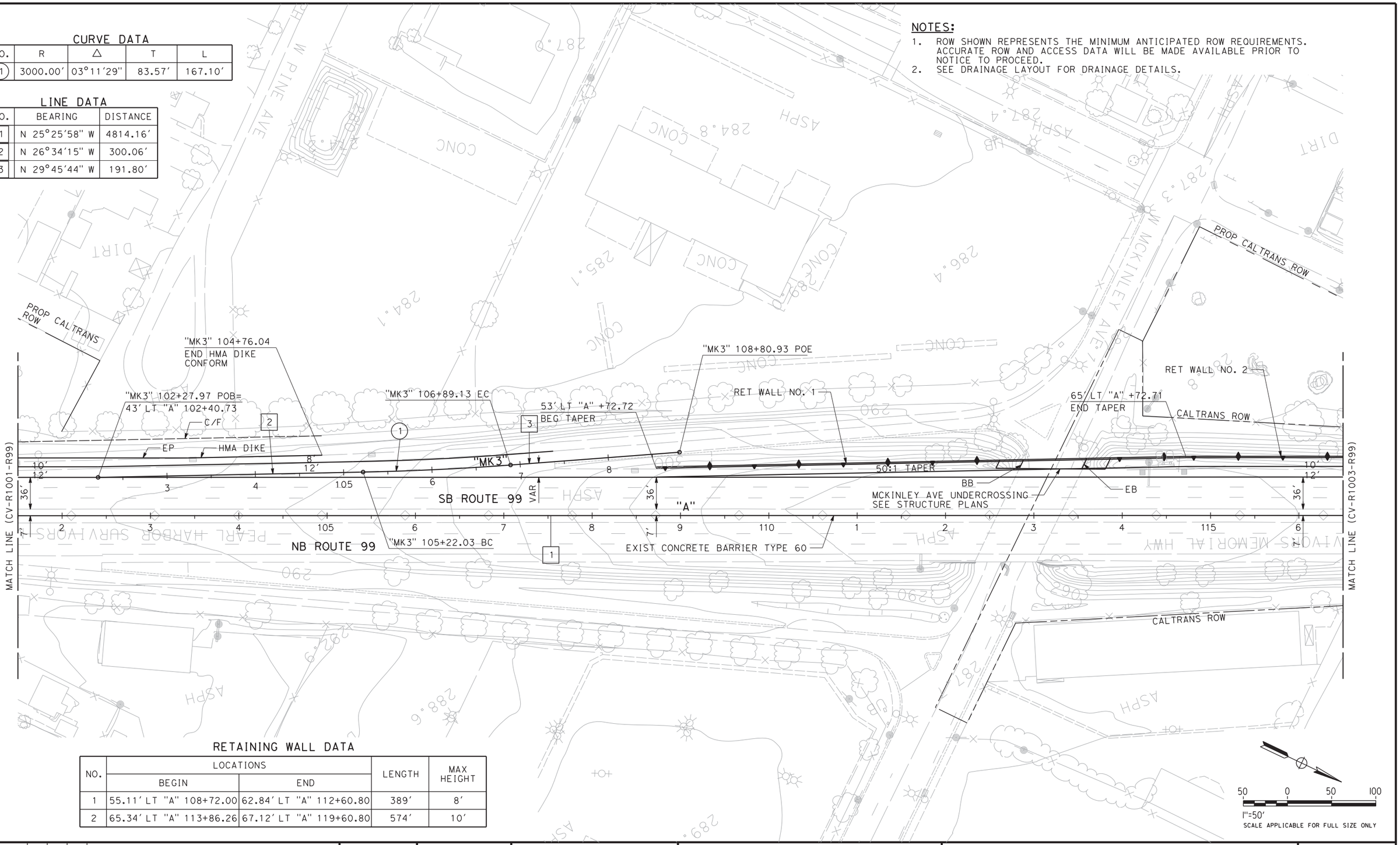
| NO. | R | Δ | T | L |
|---|---|---|---|---|
| 1 | 3000.00′ | 03°11′29" | 83.57′ | 167.10′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 1 | N 25°25′58" W | 4814.16′ |
| 2 | N 26°34′15" W | 300.06′ |
| 3 | N 29°45′44" W | 191.80′ |

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.




## RETAINING WALL DATA

| NO. | LOCATIONS | | LENGTH | MAX HEIGHT |
|---|---|---|---|---|
| | BEGIN | END | | |
| 1 | 55.11′ LT "A" 108+72.00 | 62.84′ LT "A" 112+60.80 | 389′ | 8′ |
| 2 | 65.34′ LT "A" 113+86.26 | 67.12′ LT "A" 119+60.80 | 574′ | 10′ |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - HIGHWAY

CONTRACT NO.
DRAWING NO. CV-R1002-R99
SCALE AS SHOWN
SHEET NO.

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11/17/2011 9:28:13 AM CAHSRP-R1.TBL CHSR_half_black.plt ychiu

## CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (2) | 3000.00′ | 07°52′06" | 206.32′ | 411.98′ |
| (3) | 560.00 | 34°04′18" | 171.59′ | 333.01′ |
| (4) | 600.00′ | 32°22′38" | 174.19′ | 339.05′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 1 | N 25°25′58" W | 4814.16′ |
| 4 | N 26°32′49" W | 300.14′ |
| 5 | N 34°24′55" W | 290.13′ |
| 6 | N 20°34′43" W | 375.59′ |
| 7 | N 70°33′04" W | 638.18′ |
| 8 | N 67°30′51" W | 361.95′ |

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE DRAWING NO. CV-R1016-R99 FOR WOODSON AND PLEASANT AVE
3. REFER TO CITY OF FRESNO PUBLIC WORKS STANDARD DRAWINGS FOR CUL-DE-SAC DETAILS
4. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.

WOODSON AVE
PLEASANT AVE
"W"
"P"
"A"
"C3"
"C4"
"MS"
"MN4"
SB ROUTE 99
NB ROUTE 99
PROP CALTRANS ROW
CALTRANS ROW
PROP CALTRANS/ PROP CITY ROW
65′ LT "A" +60.00 BEGIN HMA DIKE
RET WALL NO. 2
TERMINAL SYSTEM
"C3" 123+40.85 POB = 43′ LT "A" 123+41.07
HMA DIKE
"C3" 126+40.99 BC
12′ LT "C3" +40.99 BEG/TAPER
32′ LT "C3" +63.62 END TAPER
24′ LT "C3" +63.62 END TAPER BEG TAPER
"C3" 130+52.97 EC
REMOVE BASE AND SURFACING (TYP)
35:1 TAPER
44′ LT "A" 129+09.17 CONFORM
"C4" +50 CONFORM
"C4" 129+98.72 POB = 43′ RT "A" 129+99.00
"MS" 130+96.73 BC
"MN4" 128+63.56 BC
EXIST CONCRETE BARRIER TYPE 60
MATCH LINE (CV-R1002-R99)
MATCH LINE (CV-R1004-R99)
MATCH LINE (CV-R1015-R99)
C/F
EP
VAR
1"=50′
SCALE APPLICABLE FOR FULL SIZE ONLY

## RETAINING WALL DATA

| NO. | LOCATIONS | | LENGTH | MAX HEIGHT |
|---|---|---|---|---|
| | BEGIN | END | | |
| 2 | 65.34′ LT "A" 113+86.26 | 67.12′ LT "A" 119+60.80 | 574′ | 10′ |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - HIGHWAY, RAMPS

CONTRACT NO.
DRAWING NO. CV-R1003-R99
SCALE AS SHOWN
SHEET NO.

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## CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| 3 | 560.00′ | 34°04′18" | 171.59′ | 333.01′ |
| 4 | 600.00′ | 32°22′38" | 174.19′ | 339.05′ |
| 5 | 2450.00′ | 11°16′05" | 241.69′ | 481.83′ |
| 6 | 230.00′ | 30°48′31" | 63.37′ | 123.67′ |
| 7 | 1188.00′ | 27°12′55" | 287.58′ | 564.30′ |
| 8 | 1150.00′ | 18°00′15" | 182.19′ | 361.37′ |
| 9 | 1350.00′ | 10°44′34" | 126.93′ | 253.12′ |
| 10 | 8000.00′ | 01°56′06" | 135.11′ | 270.19′ |
| 11 | 9000.00′ | 15°37′38" | 1235.03′ | 2454.73′ |
| 12 | 5000.00′ | 06°00′33" | 262.44′ | 524.40′ |
| 13 | 4500.00′ | 04°53′29" | 192.20′ | 384.17′ |
| 14 | 955.62′ | 12°57′45" | 108.56′ | 216.20′ |
| 15 | 5012.00′ | 00°54′06" | 39.43′ | 78.87′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 1 | N 25°25′58" W | 4814.16′ |
| 5 | N 34°24′55" W | 290.13′ |
| 6 | N 20°34′43" W | 375.59′ |
| 9 | N 45°40′59" W | 296.63′ |
| 10 | N 14°52′28" W | 175.45′ |
| 11 | N 08°57′26" W | 104.68′ |
| 12 | N 36°28′47" W | 372.65′ |
| 13 | N 18°28′31" W | 205.86′ |
| 14 | N 26°35′16" W | 278.03′ |
| 15 | N 34°06′48" W | 196.33′ |
| 16 | N 41°02′30" W | 1276.94′ |

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE DRAWING NOS. CV-R1012-R99 AND CV-R1013-R99 FOR CLINTON AVE
3. REFER TO CITY OF FRESNO PUBLIC WORKS STANDARD DRAWINGS FOR CUL-DE-SAC DETAILS
4. FOR RETAINING WALL NOS. 9 & 10 SEE DRAWING CV-R1005-R99
5. FOR RETAINING WALL NOS. 6 & 7 SEE DRAWING CV-R1012-R99
6. SEE TRACK PLANS FOR DETAILS WITHIN HST ROW.
7. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.

## RETAINING WALL DATA

| NO. | LOCATIONS | | LENGTH | MAX HEIGHT |
|---|---|---|---|---|
| | BEGIN | END | | |
| 3 | 5.50′ RT "C3" 131+49.60 | 5.50′ RT "C3" 139+49.28 | 800′ | 22′ |
| 5 | 15.50′ RT "MS" 133+84.85 | 15.50′ RT "MS" 135+50.00 | 165′ | 11′ |
| 8 | 17.50′ LT "C4" 134+92.08 | 17.50′ LT "C4" 141+07.29 | 520′ | 21′ |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - HIGHWAY, RAMPS

CONTRACT NO.
DRAWING NO. CV-R1004-R99
SCALE AS SHOWN
SHEET NO.

1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

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C:\Documents and Settings\ychiu\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1005-R99_OPTION

## CURVE DATA

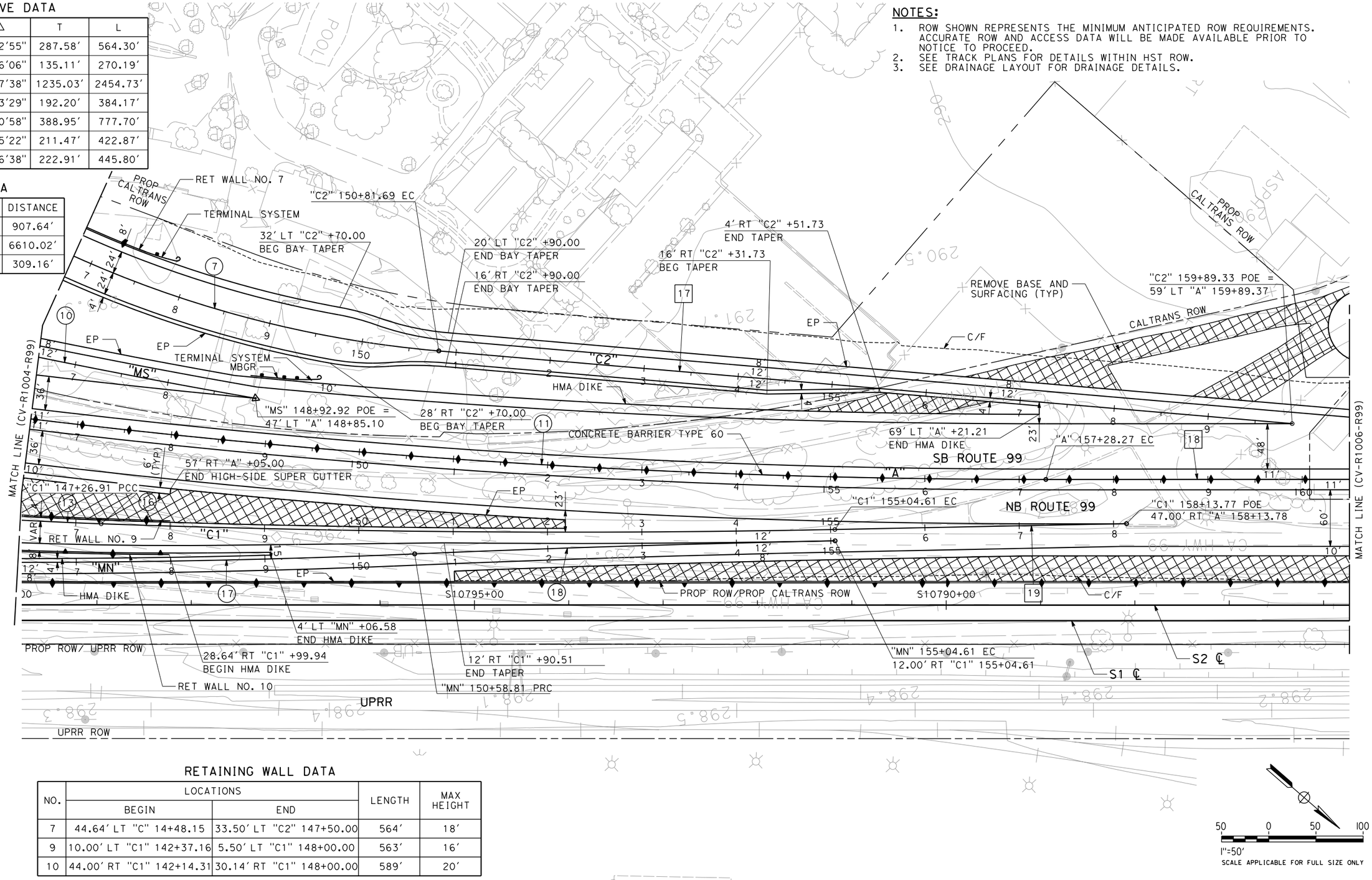
| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (7) | 1188.00′ | 27°12′55" | 287.58′ | 564.30′ |
| (10) | 8000.00′ | 01°56′06" | 135.11′ | 270.19′ |
| (11) | 9000.00′ | 15°37′38" | 1235.03′ | 2454.73′ |
| (13) | 4500.00′ | 04°53′29" | 192.20′ | 384.17′ |
| (16) | 14000.00′ | 03°10′58" | 388.95′ | 777.70′ |
| (17) | 10000.00′ | 02°25′22" | 211.47′ | 422.87′ |
| (18) | 20000.00′ | 01°16′38" | 222.91′ | 445.80′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 17 | N 36°10′22" W | 907.64′ |
| 18 | N 41°03′36" W | 6610.02′ |
| 19 | N 42°11′15" W | 309.16′ |

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE TRACK PLANS FOR DETAILS WITHIN HST ROW.
3. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.




## RETAINING WALL DATA

| NO. | LOCATIONS | | LENGTH | MAX HEIGHT |
|---|---|---|---|---|
| | BEGIN | END | | |
| 7 | 44.64′ LT "C" 14+48.15 | 33.50′ LT "C2" 147+50.00 | 564′ | 18′ |
| 9 | 10.00′ LT "C1" 142+37.16 | 5.50′ LT "C1" 148+00.00 | 563′ | 16′ |
| 10 | 44.00′ RT "C1" 142+14.31 | 30.14′ RT "C1" 148+00.00 | 589′ | 20′ |

50 0 50 100
1"=50′
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - HIGHWAY, RAMPS

CONTRACT NO.
DRAWING NO. CV-R1005-R99
SCALE AS SHOWN
SHEET NO.

2/16/2012 4:03:41 PM CAHSRP-R1.TBL CHSR_half_black.plt ychiu

11/17/20119:31:04 AM CAHSRP-R1.TBL CHSR_half_black.plt C:\Documents and Settings\ychiu\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1006-R99.dgn
ychiu

## CURVE DATA

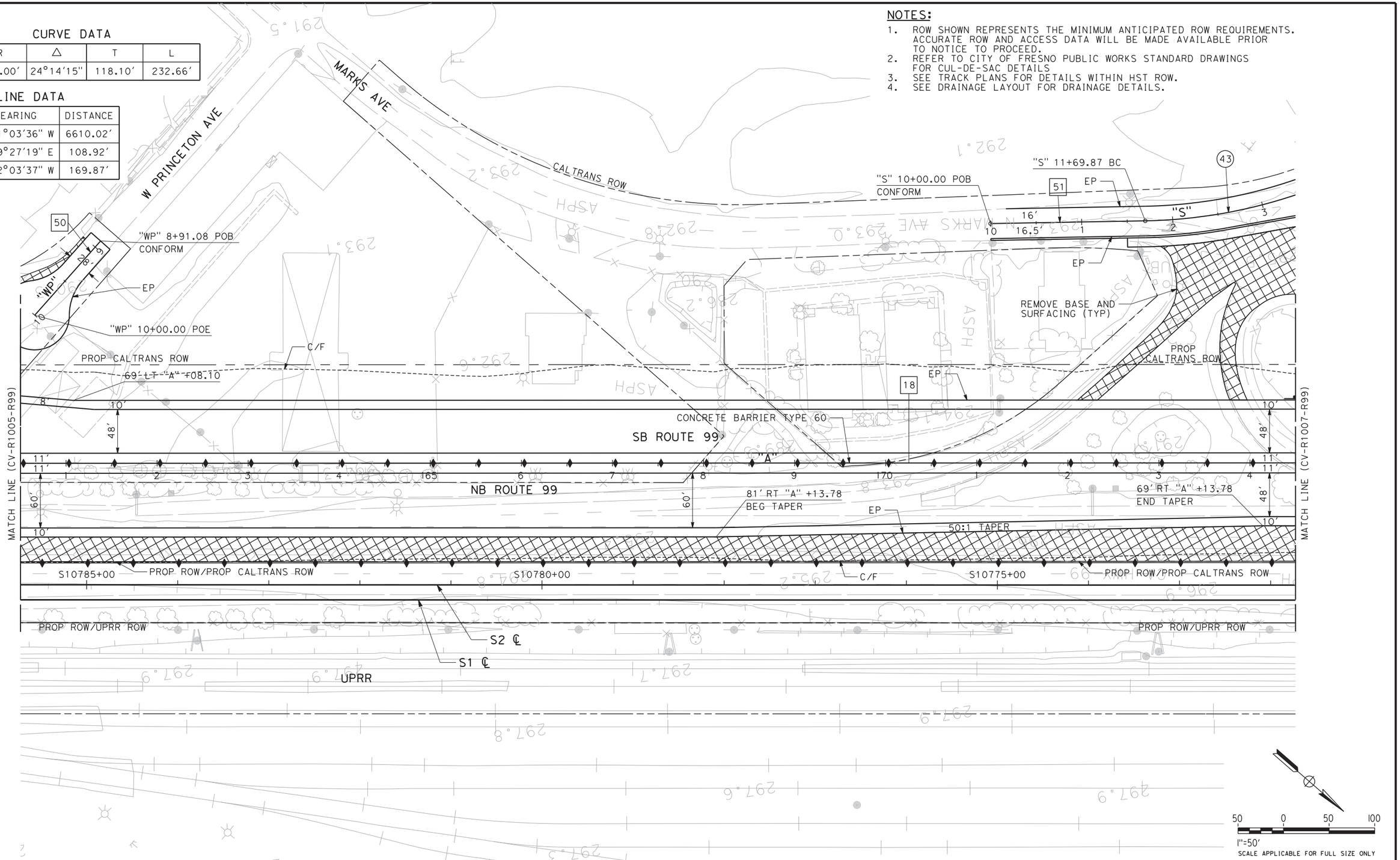
| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (43) | 550.00′ | 24°14′15" | 118.10′ | 232.66′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 18 | N 41°03′36" W | 6610.02′ |
| 50 | S 89°27′19" E | 108.92′ |
| 51 | N 42°03′37" W | 169.87′ |

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. REFER TO CITY OF FRESNO PUBLIC WORKS STANDARD DRAWINGS FOR CUL-DE-SAC DETAILS
3. SEE TRACK PLANS FOR DETAILS WITHIN HST ROW.
4. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300 Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - HIGHWAY, LOCAL ROADS

CONTRACT NO.
DRAWING NO. CV-R1006-R99
SCALE AS SHOWN
SHEET NO.

## CURVE DATA

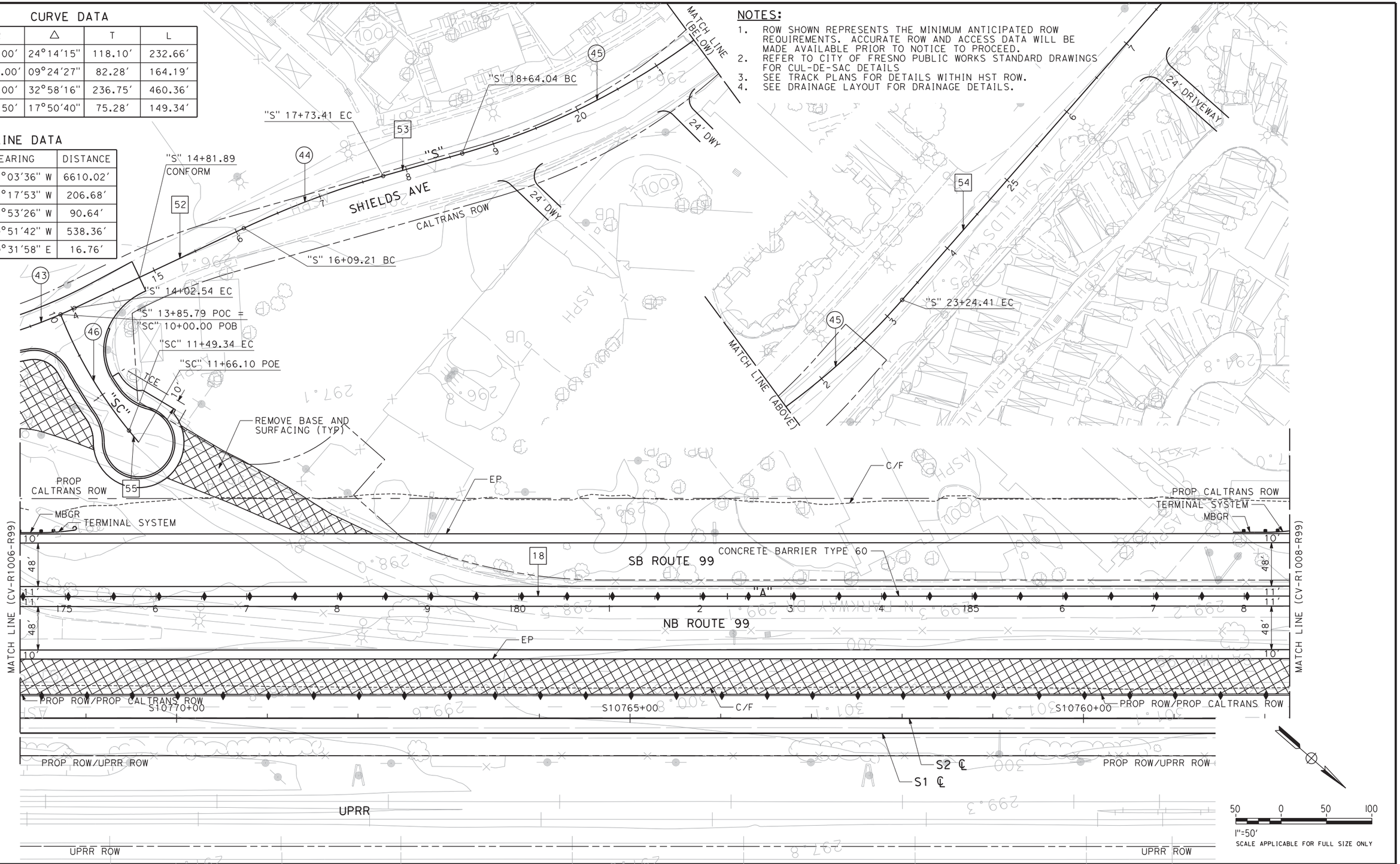
| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (43) | 550.00′ | 24°14′15" | 118.10′ | 232.66′ |
| (44) | 1000.00′ | 09°24′27" | 82.28′ | 164.19′ |
| (45) | 800.00′ | 32°58′16" | 236.75′ | 460.36′ |
| (46) | 479.50′ | 17°50′40" | 75.28′ | 149.34′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 18 | N 41°03′36" W | 6610.02′ |
| 52 | N 66°17′53" W | 206.68′ |
| 53 | N 56°53′26" W | 90.64′ |
| 54 | N 89°51′42" W | 538.36′ |
| 55 | N 09°31′58" E | 16.76′ |

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. REFER TO CITY OF FRESNO PUBLIC WORKS STANDARD DRAWINGS FOR CUL-DE-SAC DETAILS
3. SEE TRACK PLANS FOR DETAILS WITHIN HST ROW.
4. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.




50 0 50 100
1"=50′
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - HIGHWAY, LOCAL ROADS

CONTRACT NO.
DRAWING NO. CV-R1007-R99
SCALE AS SHOWN
SHEET NO.

11/16/2012 8:17 PM ychiu C:\Documents and Settings\ychiu\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1007-R99.dgn CAHSRP-R1.TBL CHSR_half_black.plt

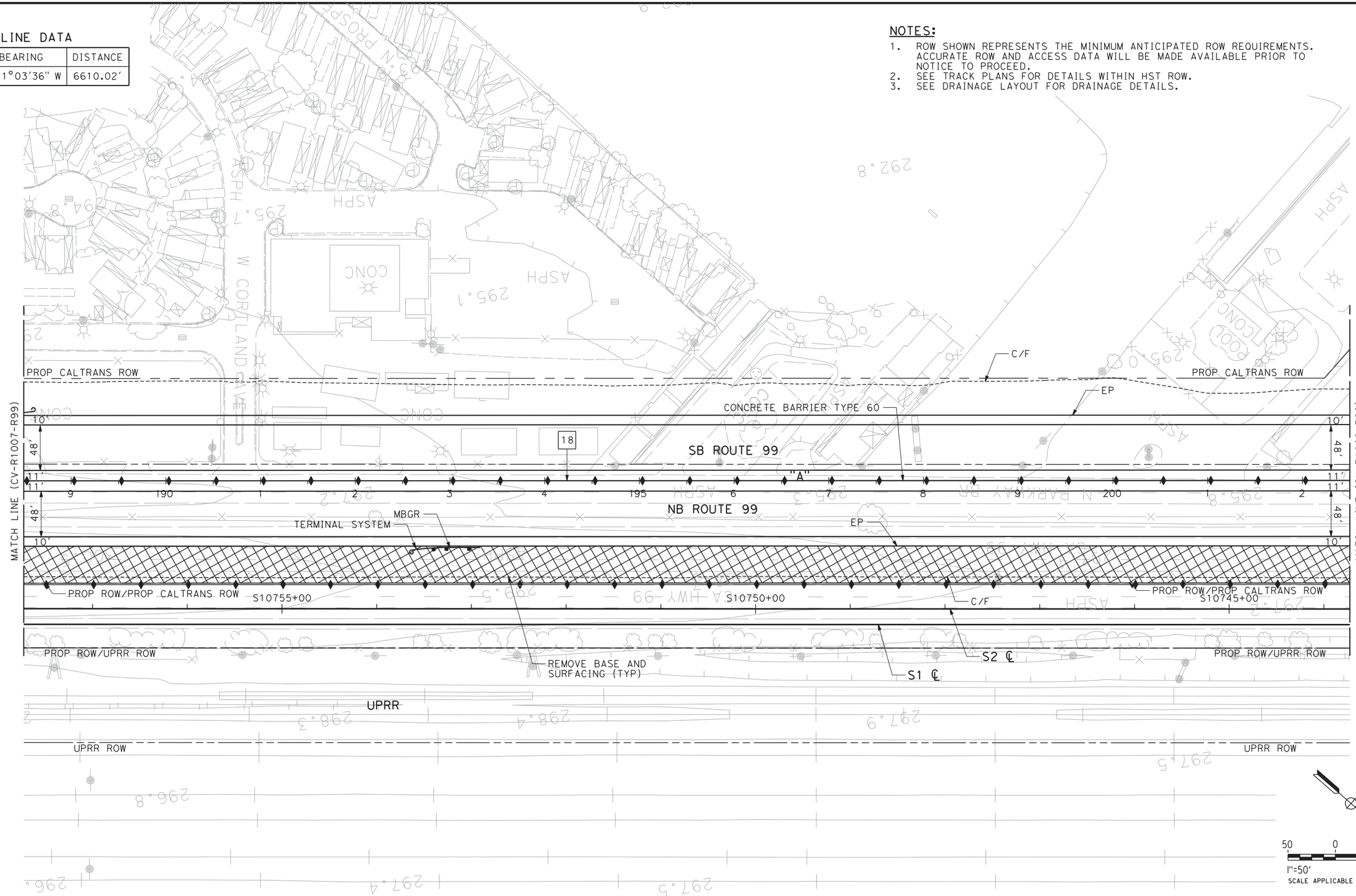
C:\Documents and Settings\ychiu\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1008-R99.dgn
CAHSRP-R1.TBL CHSR_half_black.plt 11/16/2012 8:18:39 PM ychiu

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 18 | N 41°03'36" W | 6610.02' |

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE TRACK PLANS FOR DETAILS WITHIN HST ROW.
3. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM
Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - HIGHWAY

CONTRACT NO.
DRAWING NO. CV-R1008-R99
SCALE AS SHOWN
SHEET NO.

## CURVE DATA

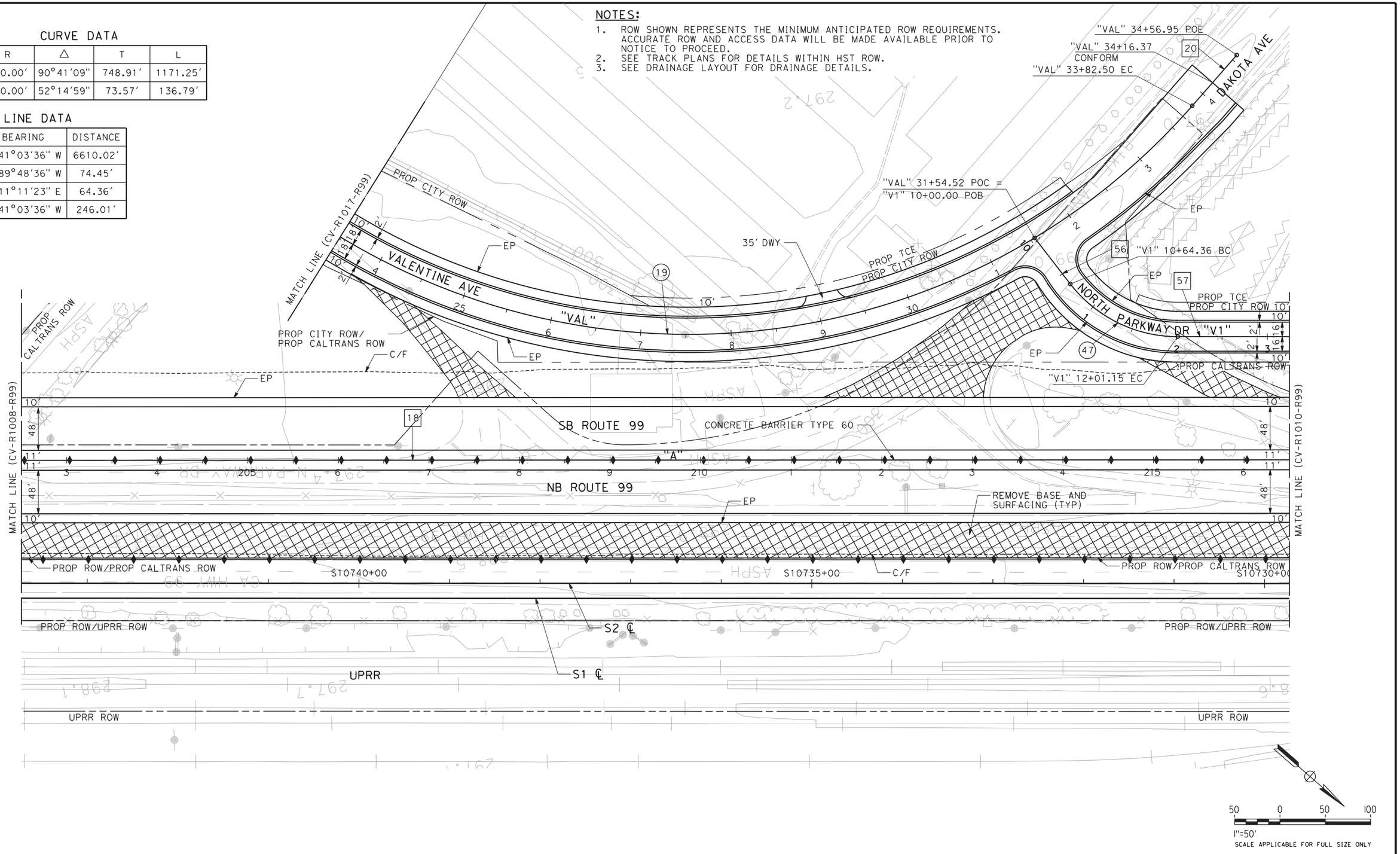
| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (19) | 740.00′ | 90°41′09" | 748.91′ | 1171.25′ |
| (47) | 150.00′ | 52°14′59" | 73.57′ | 136.79′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 18 | N 41°03′36" W | 6610.02′ |
| 20 | N 89°48′36" W | 74.45′ |
| 56 | N 11°11′23" E | 64.36′ |
| 57 | N 41°03′36" W | 246.01′ |

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE TRACK PLANS FOR DETAILS WITHIN HST ROW.
3. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.




50 0 50 100

1"=50′

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - HIGHWAY, LOCAL ROADS

CONTRACT NO.
DRAWING NO. CV-R1009-R99
SCALE AS SHOWN
SHEET NO.

11/16/2011 2:18:46 PM CAHSRP-R1.TBL CHSR_half_black.plt C:\Documents and Settings\ychiu\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1009-R99.dgn ychiu

## CURVE DATA

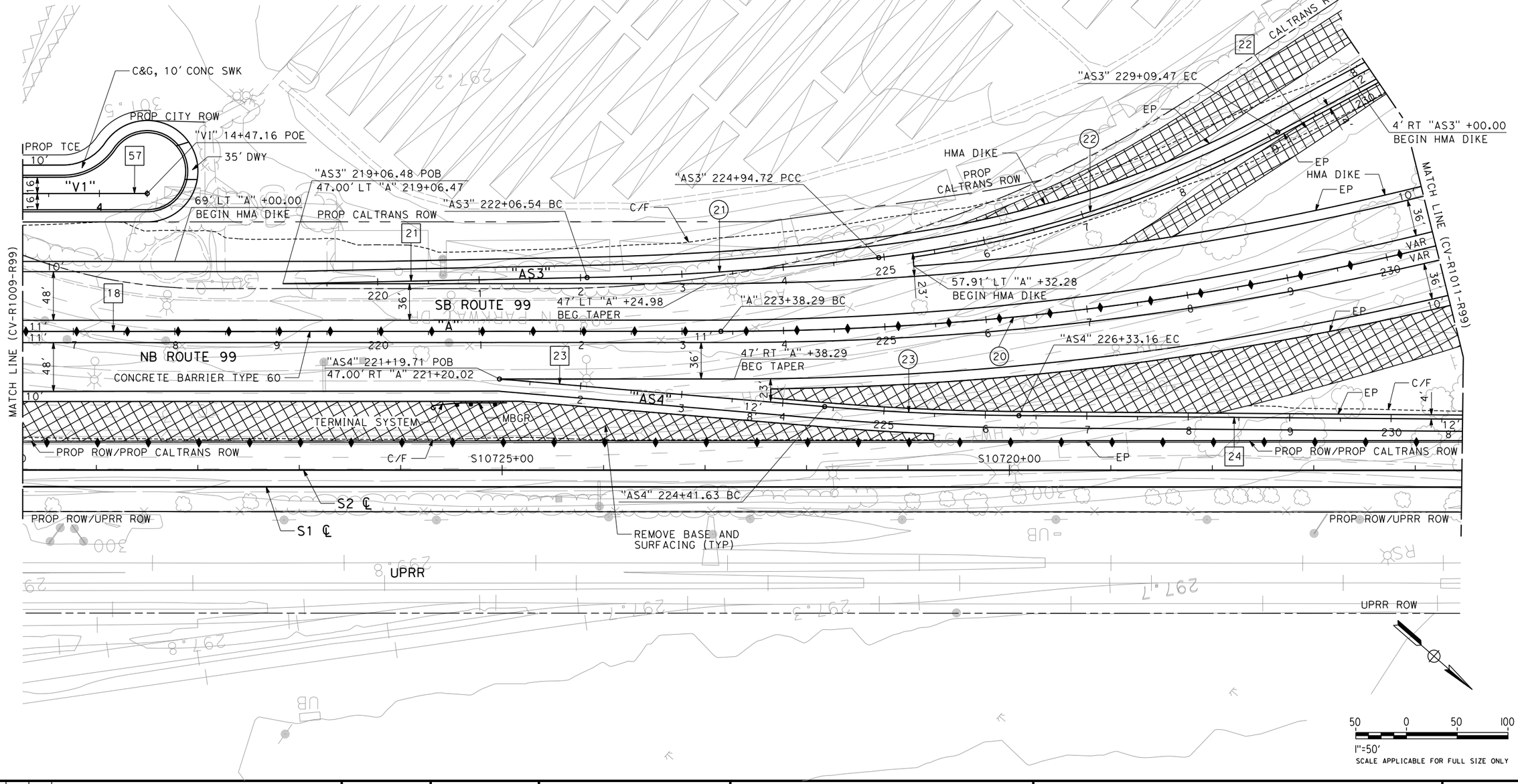
| NO. | R | Δ | T | L |
|---|---|---|---|---|
| 20 | 3000.00′ | 25°07′25" | 668.48′ | 1315.46′ |
| 21 | 3000.00′ | 05°30′14" | 144.20′ | 288.18′ |
| 22 | 1100.00′ | 21°36′12" | 209.87′ | 414.75′ |
| 23 | 2500.00′ | 04°23′45" | 95.95′ | 191.80′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 18 | N 41°03′36" W | 6610.02′ |
| 21 | N 42°12′21" W | 300.06′ |
| 22 | N 69°18′46" W | 282.03′ |
| 23 | N 36°11′28" W | 321.65′ |
| 24 | N 40°35′13" W | 1061.42′ |
| 57 | N 41°03′36" W | 246.01′ |

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. REFER TO CITY OF FRESNO PUBLIC WORKS STANDARD DRAWINGS FOR CUL-DE-SAC DETAILS
3. SEE TRACK PLANS FOR DETAILS WITHIN HST ROW.
4. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - HIGHWAY, RAMPS, LOCAL ROADS

CONTRACT NO.
DRAWING NO. CV-R1010-R99
SCALE AS SHOWN
SHEET NO.

2/16/2012 5:37:45 PM CAHSRP-R1.TBL CHSR_half_black.plt C:\Documents and Settings\ychiu\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1010-R99_OPTION
ychiu

C:\Documents and Settings\sleong\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1011-R99_OPTION.dgn
2/13/2012 2:43:20 PM CAHSRP-R1.TBL CHSR_half_black-pdf995.ctb sleong

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. REFER TO CITY OF FRESNO PUBLIC WORKS STANDARD DRAWINGS FOR CUL-DE-SAC DETAILS
3. REFER TO CITY OF FRESNO PUBLIC WORKS STANDARD DRAWINGS FOR BULB TERMINATION DESIGN DETAILS.
4. SEE TRACK PLANS FOR DETAILS WITHIN HST ROW.
5. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.

"NP" 10+00.00 POB
"NP" 11+56.30 POE
CONFORM
CALTRANS ROW
N PARKWAY DR
30' DWY
"NP"
EP
C&G
"AS3" 231+91.50 BC
HMA DIKE
C/F
"AS3" 233+25.11 EC
END HMA DIKE
CONFORM
"AS3"
EP
HMA DIKE
C/F
EXISTING STRUCTURE
TO REMAIN
"A" 236+53.75 EC
63.50' LT "A" +37.79
END TAPER
HMA DIKE
EP
CONCRETE BARRIER TYPE 60
"A"
MATCH LINE (CV-R1010-R99)
63.50' RT "A" +69.62
END TAPER
EP
C/F
"A" 238+78.87 BC
SB ROUTE 99
NB ROUTE 99
"AS5"
CALTRANS ROW
"AS5" 240+94.98 BC =
53.80' RT "A" 240+94.57
"AS5" 244+49.85 PCC
END CONSTRUCTION
"A" 237+30.00 CONFORM
END HMA DIKE
"AS1" 238+38.61 POB
CONFORM
"AS1"
"AS1" 239+47.94 BC
"AS2" 239+47.94 POB
EP
"AS2" 240+22.22 BC
"AS2"
"AS1" 242+37.51 EC
22.00' LT "AS4" 242+12.13
CALTRANS ROW
REMOVE BASE AND
SURFACING (TYP)
EP
DWY
CONFORM
DWY
CONFORM
S10715+00
"AS4"
GOLDEN STATE BLVD
PROP TCE
PROP CITY ROW
C/F
"AS4" 236+94.58 PI
EP
"AS2" 241+00.69 EC
29.69' LT "AS4" 240+17.84
DWY CONFORM
S2 ℄
S1 ℄
S10710+00
PROP ROW/PROP CITY ROW
UPRR
PROP ROW/UPRR ROW
S10705+00
UPRR ROW
VAR
MATCH LINE (CV-R1018-R99)

### CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (20) | 3000.00' | 25°07'25" | 668.48' | 1315.46' |
| (24) | 556.00' | 13°46'07" | 67.13' | 133.61' |
| (25) | 3000.00' | 16°35'51" | 437.59' | 869.05' |
| (49) | 3000.00' | 06°46'39" | 177.64' | 354.87' |
| (50) | 380.00' | 49°42'58" | 176.05' | 329.73' |
| (53) | 512.00' | 32°24'16" | 148.77' | 289.57' |
| (54) | 64.00' | 70°14'45" | 45.02' | 78.47' |

### LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 22 | N 69°18'46" W | 282.03' |
| 24 | N 40°35'13" W | 1061.42' |
| 25 | N 66°11'01" W | 225.12' |
| 40 | N 41°25'05" W | 855.15' |
| 59 | N 52°49'51" W | 156.30' |
| 63 | N 03°24'57" E | 109.33' |
| 64 | N 7°28'59" E | 74.28' |

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - HIGHWAY, RAMPS, LOCAL ROADS

CONTRACT NO.
DRAWING NO. CV-R1011-R99
SCALE AS SHOWN
SHEET NO.

NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE DRAWING CV-R1001-R99 THRU CV-R1011-R99 FOR ROUTE 99
3. REFER TO CITY OF FRESNO PUBLIC WORKS STANDARD DRAWINGS FOR CUL-DE-SAC DETAILS
4. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.

## CURVE DATA

| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (26) | 2030.00′ | 05°39′31" | 100.32′ | 200.48′ |
| (27) | 2000.00′ | 05°46′29" | 100.87′ | 201.57′ |
| (51) | 75.00′ | 90°12′27" | 75.27′ | 118.08′ |
| (52) | 30.00′ | 61°20′33" | 17.79′ | 32.12′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 26 | S 89°45′35" E | 309.80′ |
| 27 | S 89°52′33" E | 1147.23′ |
| 60 | S 00°00′36" W | 73.40′ |
| 61 | N 89°48′09" E | 393.83′ |

## RETAINING WALL DATA

| NO. | LOCATIONS | | LENGTH | MAX HEIGHT |
|---|---|---|---|---|
| | BEGIN | END | | |
| 6 | 45.50′ LT "C3" 133+85.00 | 54.16′ RT "C" 15+62.00 | 576′ | 20′ |
| 7 | 44.64′ LT "C" 14+48.15 | 33.50′ LT "C2" 147+50.00 | 564′ | 18′ |

W CLINTON AVE
VASSAR AVE
PLEASANT AVE
NB ROUTE 99
SB ROUTE 99
CALTRANS ROW
PROP ROW/PROP CALTRANS ROW
PROP ROW/UPRR ROW
"C" 10+00.00 POB
"C" 12+42.55 POT = "VA" 10+00.00 POB
"C" 13+09.77 BC
"C" 15+01.26 PRC
"C2" 144+12.71 POB = "C" 18+20.01 POT
"A" 142+43.27 POC = "C" 21+48.37 POT
"C3" 144+21.36 POE = "C" 18+36.82 POT
"C1" 141+46.41 POB = "C" 23+01.98 POT
"C" 11+60.00 CONFORM
"VA" 10+73.40 BC
"VA" 11+91.48 EC
"C" 17+11.83 EC
"VA" 15+85.31 BC
"VA" 16+17.43 EC
"C4" 141+76.74 POE = "C" 23+01.20 POT
"C" 20+07.05 POT = "MS" 143+26.56 POT
RET WALL NO. 6
RET WALL NO. 7
REMOVE BASE AND SURFACING (TYP)
PROP TCE
C&G, 6′ CONC SWK
C&G
EP
C/F
BB
EB
MATCH LINE (CV-R1013-R99)

50 0 50 100
1"=50′
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - W CLINTON AVE

CONTRACT NO.
DRAWING NO. CV-R1012-R99
SCALE AS SHOWN
SHEET NO.

11/17/2011 9:39:55 AM ychiu C:\Documents and Settings\ychiu\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1012-R99.dgn CAHSRP-R1.TBL CHSR_half_black.plt

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sleong

## CURVE DATA

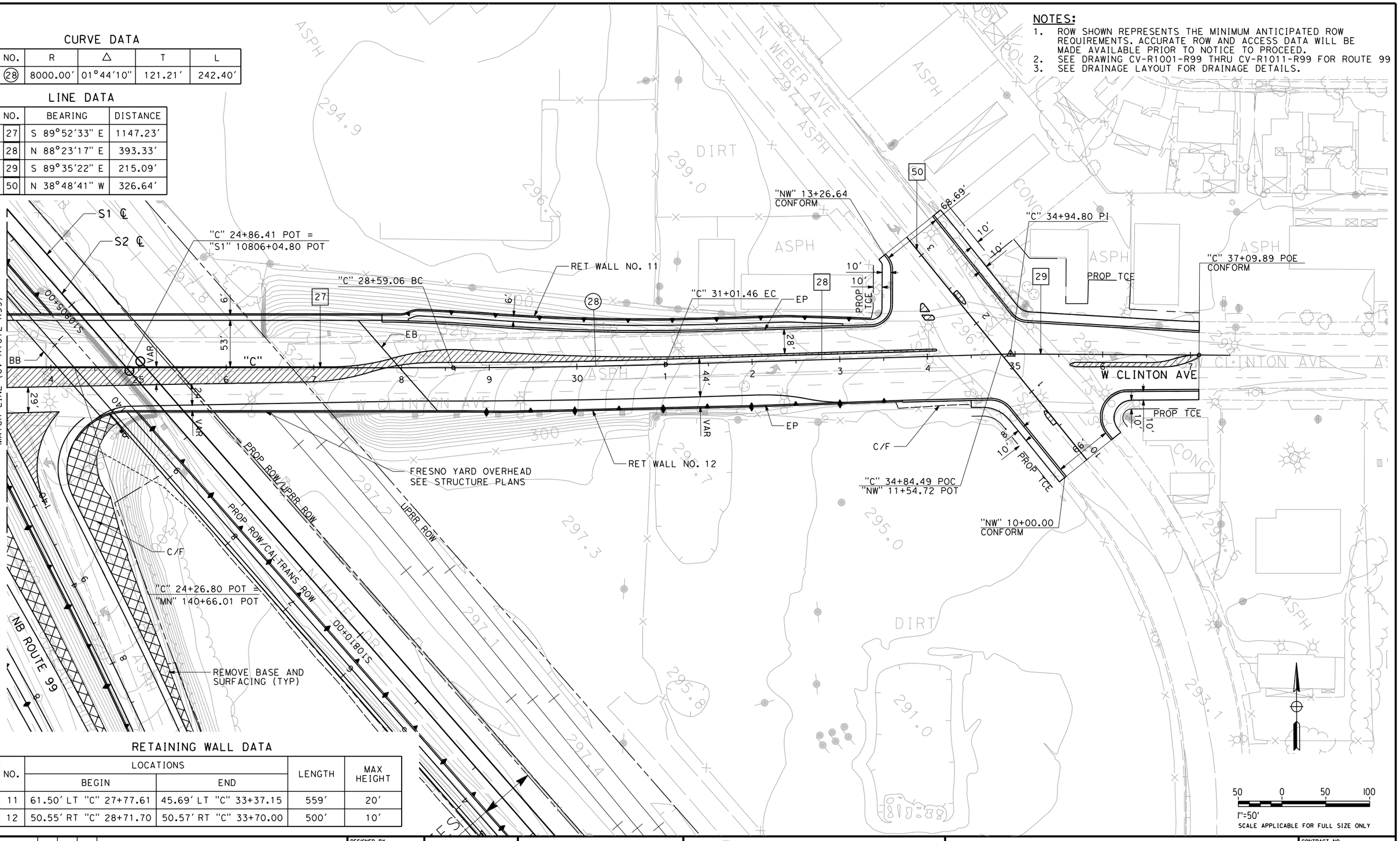
| NO. | R | Δ | T | L |
|---|---|---|---|---|
| (28) | 8000.00′ | 01°44′10" | 121.21′ | 242.40′ |

## LINE DATA

| NO. | BEARING | DISTANCE |
|---|---|---|
| 27 | S 89°52′33" E | 1147.23′ |
| 28 | N 88°23′17" E | 393.33′ |
| 29 | S 89°35′22" E | 215.09′ |
| 50 | N 38°48′41" W | 326.64′ |

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE DRAWING CV-R1001-R99 THRU CV-R1011-R99 FOR ROUTE 99
3. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.




## RETAINING WALL DATA

| NO. | LOCATIONS | | LENGTH | MAX HEIGHT |
|---|---|---|---|---|
| | BEGIN | END | | |
| 11 | 61.50′ LT "C" 27+77.61 | 45.69′ LT "C" 33+37.15 | 559′ | 20′ |
| 12 | 50.55′ RT "C" 28+71.70 | 50.57′ RT "C" 33+70.00 | 500′ | 10′ |

50 0 50 100
1"=50′
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - W CLINTON AVE

CONTRACT NO.
DRAWING NO. CV-R1013-R99
SCALE AS SHOWN
SHEET NO.

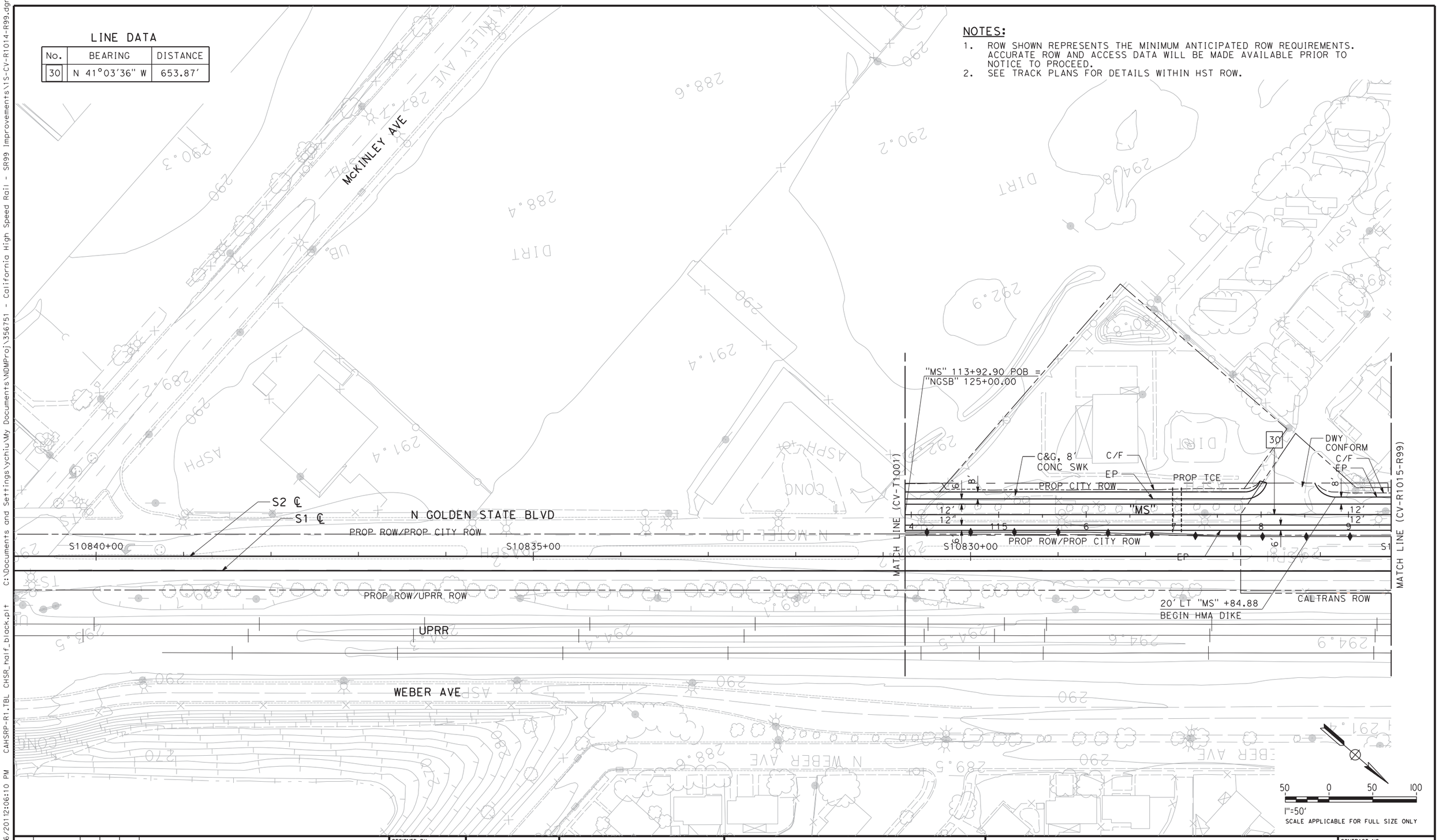
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11/16/2011 2:06:10 PM CAHSRP-R1.TBL CHSR_half_black.plt
ychiu

## LINE DATA

| No. | BEARING | DISTANCE |
|---|---|---|
| 30 | N 41°03'36" W | 653.87' |

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE TRACK PLANS FOR DETAILS WITHIN HST ROW.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - N GOLDEN STATE BLVD

CONTRACT NO.
DRAWING NO. CV-R1014-R99
SCALE AS SHOWN
SHEET NO.

C:\Documents and Settings\ychiu\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1015-R99.dgn
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## CURVE DATA

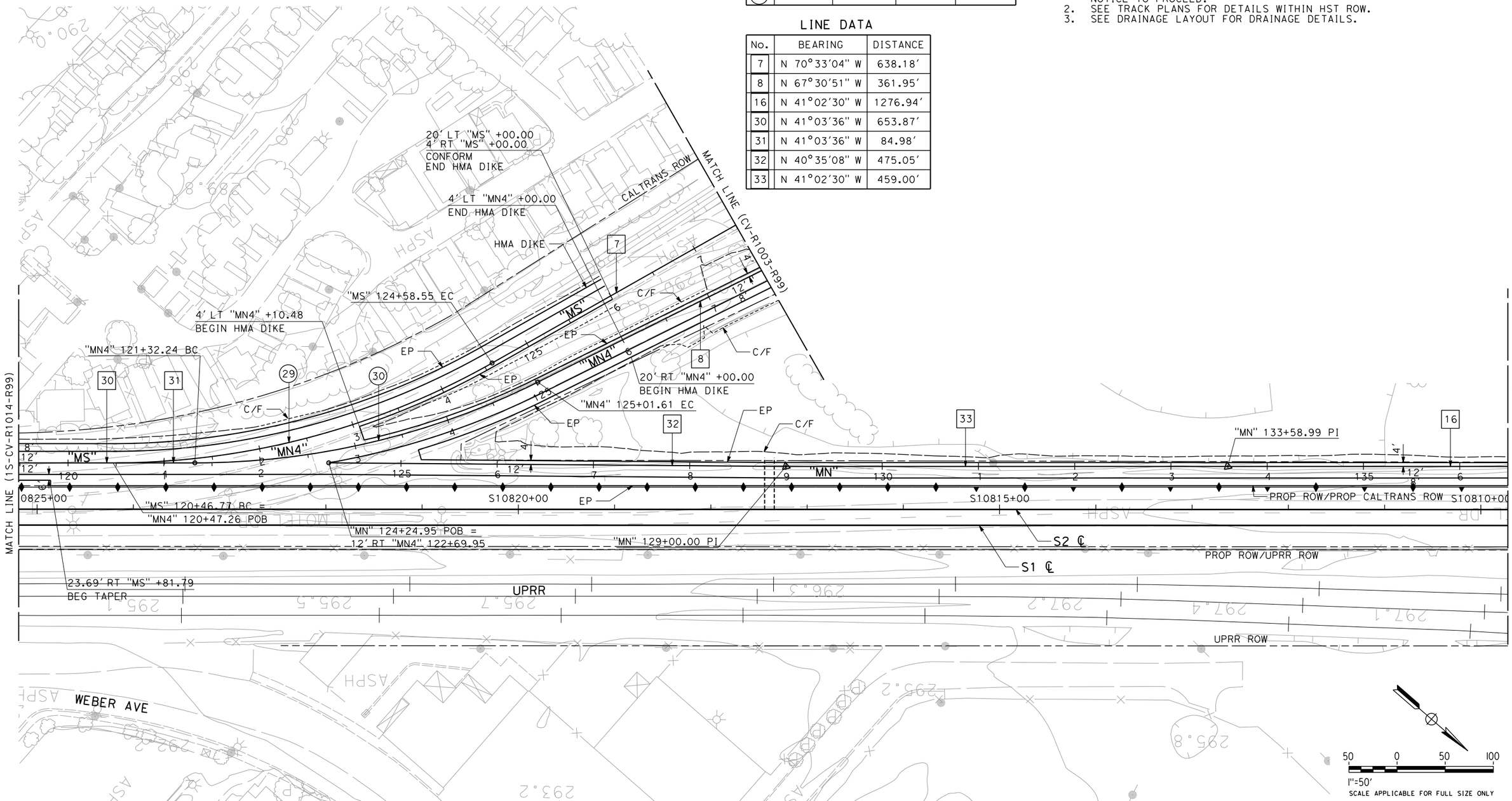
| No. | R | Δ | T | L |
|---|---|---|---|---|
| (29) | 800.00′ | 29°29′28" | 210.56′ | 411.78′ |
| (30) | 800.00′ | 26°27′15" | 188.04′ | 369.37′ |

## LINE DATA

| No. | BEARING | DISTANCE |
|---|---|---|
| 7 | N 70°33′04" W | 638.18′ |
| 8 | N 67°30′51" W | 361.95′ |
| 16 | N 41°02′30" W | 1276.94′ |
| 30 | N 41°03′36" W | 653.87′ |
| 31 | N 41°03′36" W | 84.98′ |
| 32 | N 40°35′08" W | 475.05′ |
| 33 | N 41°02′30" W | 459.00′ |

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE TRACK PLANS FOR DETAILS WITHIN HST ROW.
3. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - RAMPS

CONTRACT NO.
DRAWING NO. CV-R1015-R99
SCALE AS SHOWN
SHEET NO.

## CURVE DATA

| No. | R | Δ | T | L |
|---|---|---|---|---|
| 31 | 550.00′ | 27°24′49" | 134.14′ | 263.15′ |
| 32 | 60.00′ | 90°00′58" | 60.02′ | 94.26′ |
| 33 | 300.00′ | 27°14′06" | 72.67′ | 142.60′ |

## LINE DATA

| No. | BEARING | DISTANCE |
|---|---|---|
| 34 | N 00°32′56" E | 213.18′ |
| 35 | N 26°51′53" W | 498.27′ |
| 36 | S 00°23′11" W | 105.58′ |
| 37 | S 89°37′47" E | 629.50′ |
| 38 | N 63°08′07" E | 111.55′ |

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE DRAWING CV-R1001-R99 THRU CV-R1011-R99 FOR ROUTE 99
3. REFER TO CITY OF FRESNO PUBLIC WORKS STANDARD DRAWINGS FOR CUL-DE-SAC DETAILS.
4. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.

WOODSON AVE
"W" 10+00.00 POB
34
"W" 11+63.05 CONFORM
"W" 12+13.18 BC
"W"
CITY ROW
EP
31
REMOVE BASE AND SURFACING (TYP)
PROP CALTRANS ROW
CALTRANS ROW
VAR
"W" 14+76.33 EC
"W" 16+78.21 CONFORM
35
"A"
NB ROUTE 99
SB ROUTE 99
"W" 18+01.78 POT = "P" 20+83.49 POB
C&G, 6′ CONC SWK
38
"P" 19+17.94 EC
"P" 18+29.34 BC
PROP TCE
37
C&G, 6′ CONC SWK
EP
PROP CITY ROW
C&G
"P" 11+99.84 EC
"P" 11+05.58 BC
"P" 11+00.58 CONFORM
"P" 10+00.00 POB
32
36
33
40′ DWY
"W" 19+74.60 POE
PLEASANT AVE
PROP_CALTRANS ROW

50 0 50 100
1"=50′
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - LOCAL ROADS

CONTRACT NO.
DRAWING NO. CV-R1016-R99
SCALE AS SHOWN
SHEET NO.

11/17/2011 9:42:15 AM C:\Documents and Settings\ychiu\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1016-R99.dgn CAHSRP-R1.TBL CHSR_half_black.plt ychiu

## CURVE DATA

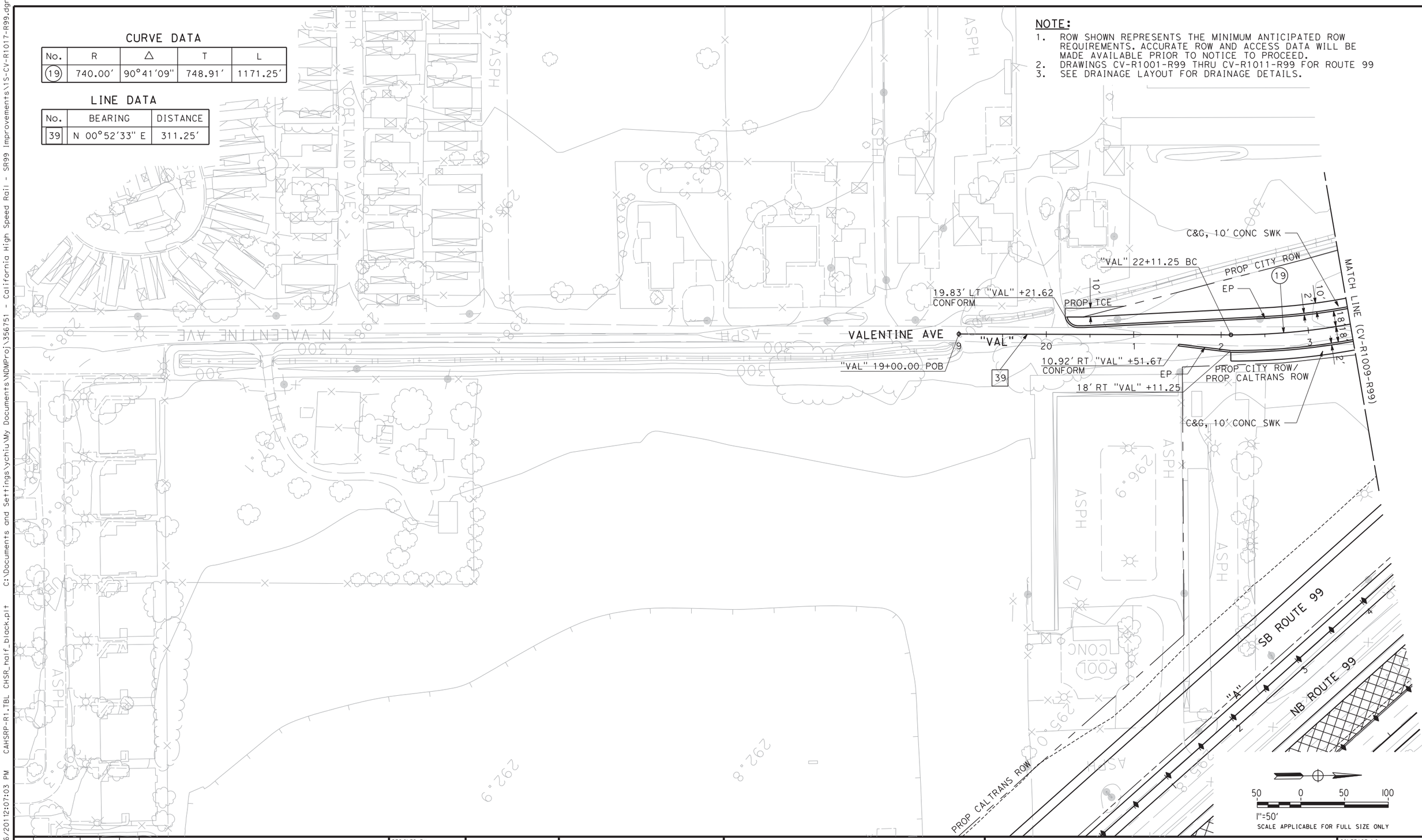
| No. | R | Δ | T | L |
|---|---|---|---|---|
| (19) | 740.00′ | 90°41′09" | 748.91′ | 1171.25′ |

## LINE DATA

| No. | BEARING | DISTANCE |
|---|---|---|
| 39 | N 00°52′33" E | 311.25′ |

**NOTE:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. DRAWINGS CV-R1001-R99 THRU CV-R1011-R99 FOR ROUTE 99
3. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - LOCAL ROADS

CONTRACT NO.
DRAWING NO. CV-R1017-R99
SCALE AS SHOWN
SHEET NO.

11/16/2011 2:07:03 PM CAHSRP-R1.TBL CHSR_half_black.plt C:\Documents and Settings\ychiu\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1017-R99.dgn ychiu

## CURVE DATA

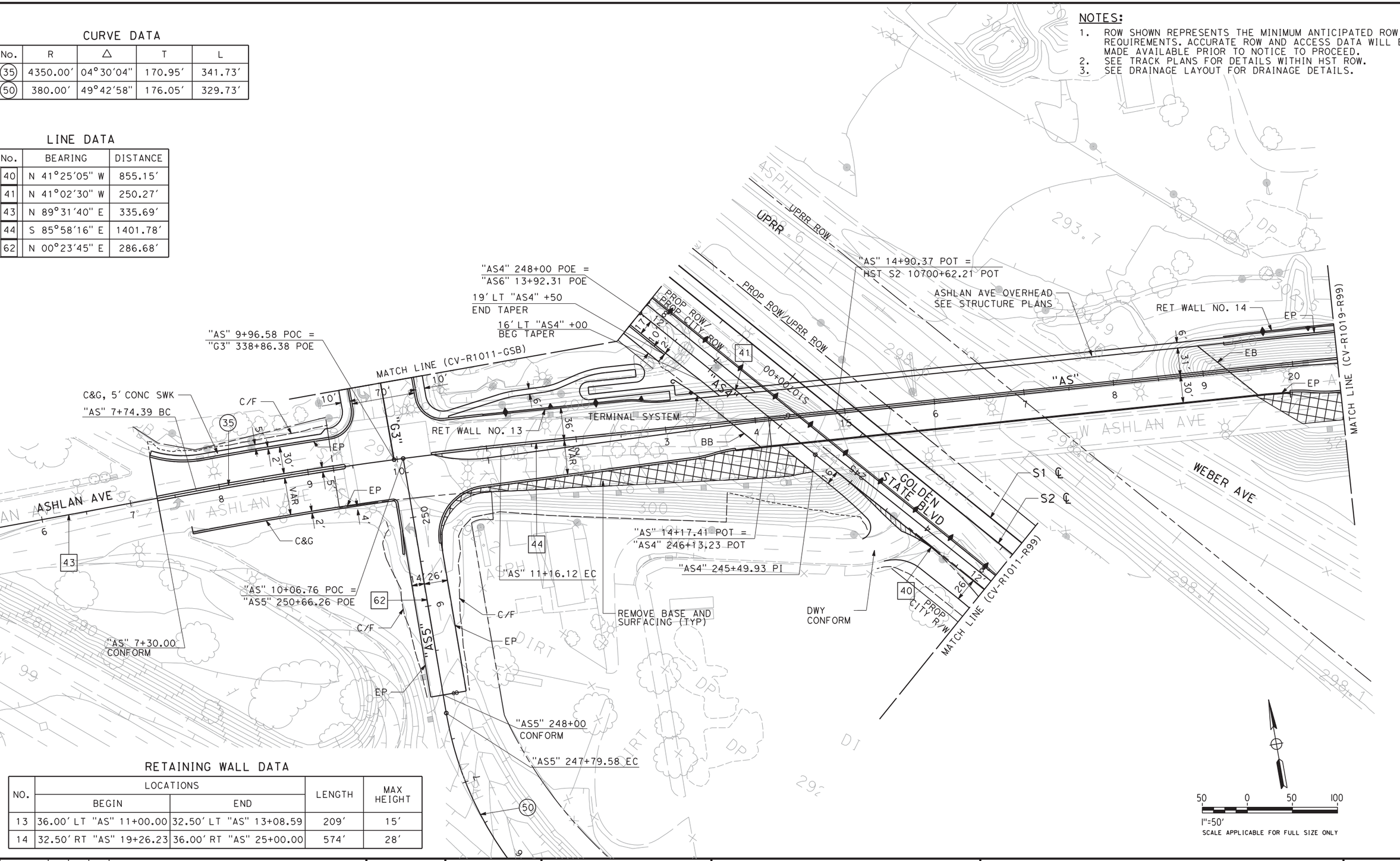
| No. | R | Δ | T | L |
|---|---|---|---|---|
| (35) | 4350.00′ | 04°30′04" | 170.95′ | 341.73′ |
| (50) | 380.00′ | 49°42′58" | 176.05′ | 329.73′ |

## LINE DATA

| No. | BEARING | DISTANCE |
|---|---|---|
| 40 | N 41°25′05" W | 855.15′ |
| 41 | N 41°02′30" W | 250.27′ |
| 43 | N 89°31′40" E | 335.69′ |
| 44 | S 85°58′16" E | 1401.78′ |
| 62 | N 00°23′45" E | 286.68′ |

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE TRACK PLANS FOR DETAILS WITHIN HST ROW.
3. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.




## RETAINING WALL DATA

| NO. | LOCATIONS | | LENGTH | MAX HEIGHT |
|---|---|---|---|---|
| | BEGIN | END | | |
| 13 | 36.00′ LT "AS" 11+00.00 | 32.50′ LT "AS" 13+08.59 | 209′ | 15′ |
| 14 | 32.50′ RT "AS" 19+26.23 | 36.00′ RT "AS" 25+00.00 | 574′ | 28′ |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - ASHLAN AVE

CONTRACT NO.
DRAWING NO. CV-R1018-R99
SCALE AS SHOWN
SHEET NO.

2/16/2012 12:37:36 PM CAHSRP-R1.TBL CHSR_half_black-pdf995.prn\Documents and Settings\sleong\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1018-R99_OPTIO
sleong

sleong 2/13/2012 2:48:03 PM CAHSRP-R1.TBL CHSR_half_black-pdf995.prf N:\Documents and Settings\sleong\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R1019-R99_OPTION

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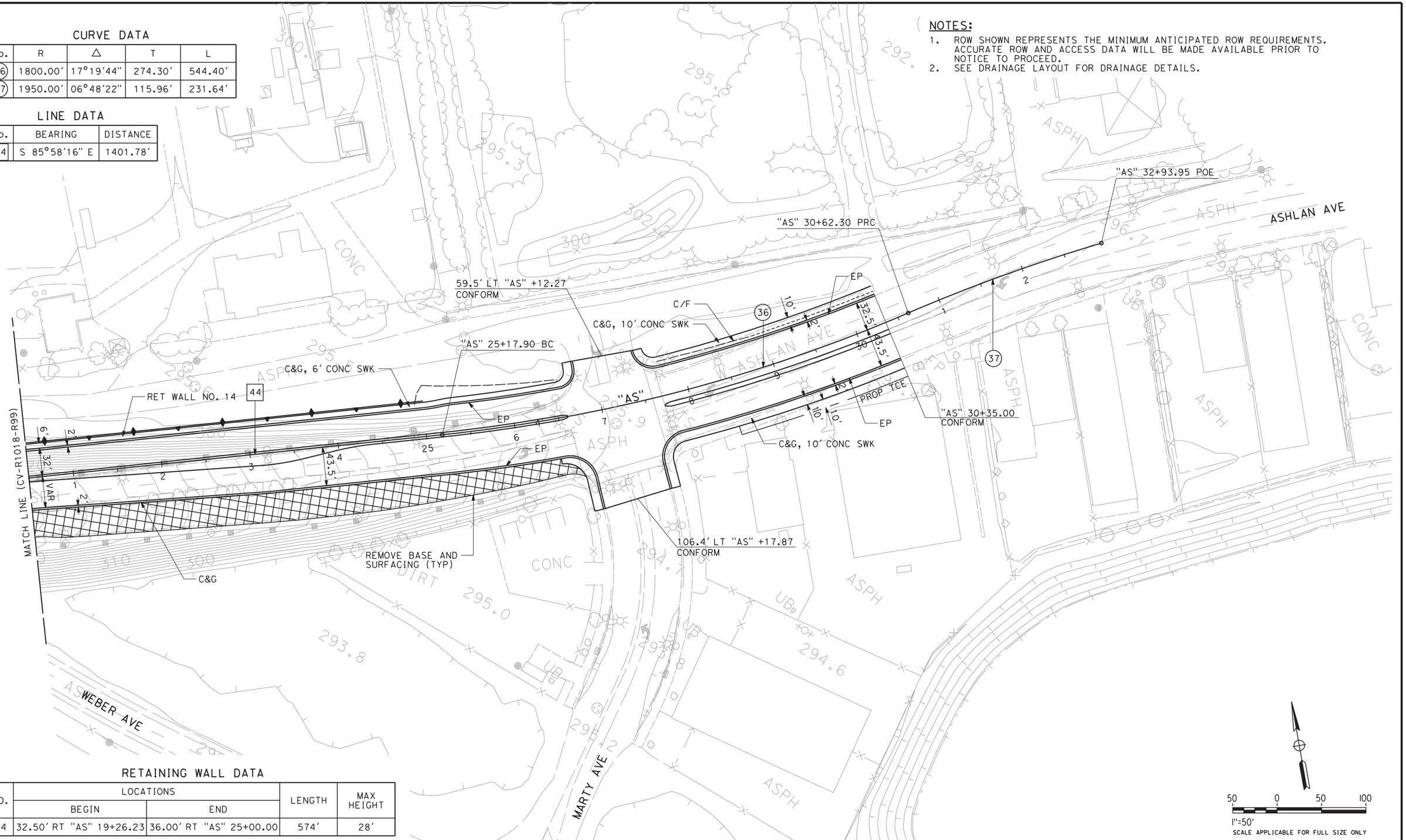
| No. | R | Δ | T | L |
|---|---|---|---|---|
| (36) | 1800.00′ | 17°19′44" | 274.30′ | 544.40′ |
| (37) | 1950.00′ | 06°48′22" | 115.96′ | 231.64′ |

## LINE DATA

| No. | BEARING | DISTANCE |
|---|---|---|
| 44 | S 85°58′16" E | 1401.78′ |

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.




## RETAINING WALL DATA

| NO. | LOCATIONS | | LENGTH | MAX HEIGHT |
|---|---|---|---|---|
| | BEGIN | END | | |
| 14 | 32.50′ RT "AS" 19+26.23 | 36.00′ RT "AS" 25+00.00 | 574′ | 28′ |

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - ASHLAN AVE

CONTRACT NO.
DRAWING NO. CV-R1019-R99
SCALE AS SHOWN
SHEET NO.

## CURVE DATA

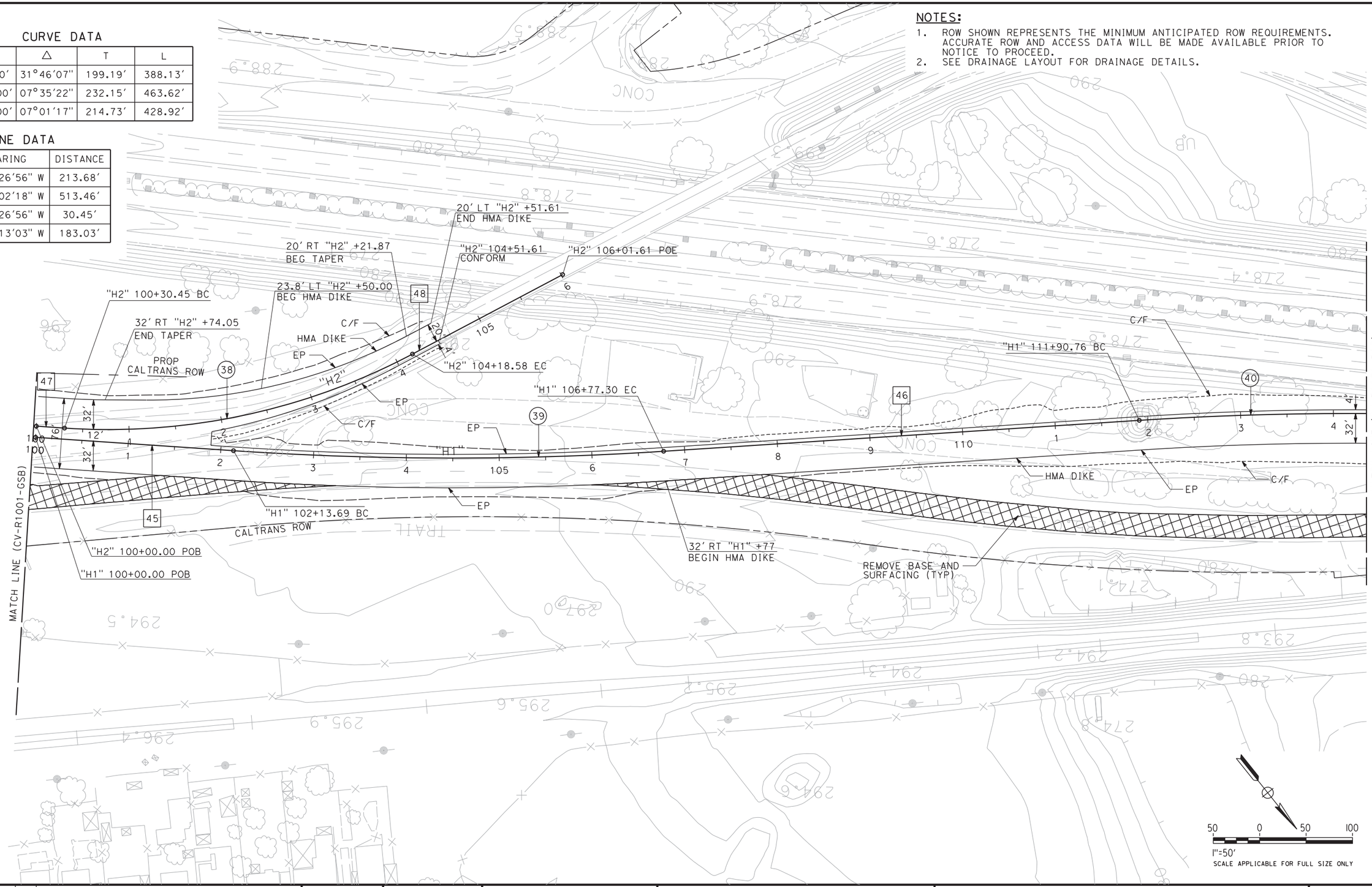
| No. | R | Δ | T | L |
|---|---|---|---|---|
| (38) | 700.00′ | 31°46′07" | 199.19′ | 388.13′ |
| (39) | 3500.00′ | 07°35′22" | 232.15′ | 463.62′ |
| (40) | 3500.00′ | 07°01′17" | 214.73′ | 428.92′ |

## LINE DATA

| No. | BEARING | DISTANCE |
|---|---|---|
| 45 | N 47°26′56" W | 213.68′ |
| 46 | N 55°02′18" W | 513.46′ |
| 47 | N 47°26′56" W | 30.45′ |
| 48 | N 79°13′03" W | 183.03′ |

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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2020 L Street, Suite 300
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - RAMPS

CONTRACT NO.
DRAWING NO. CV-R1020-R99
SCALE AS SHOWN
SHEET NO.

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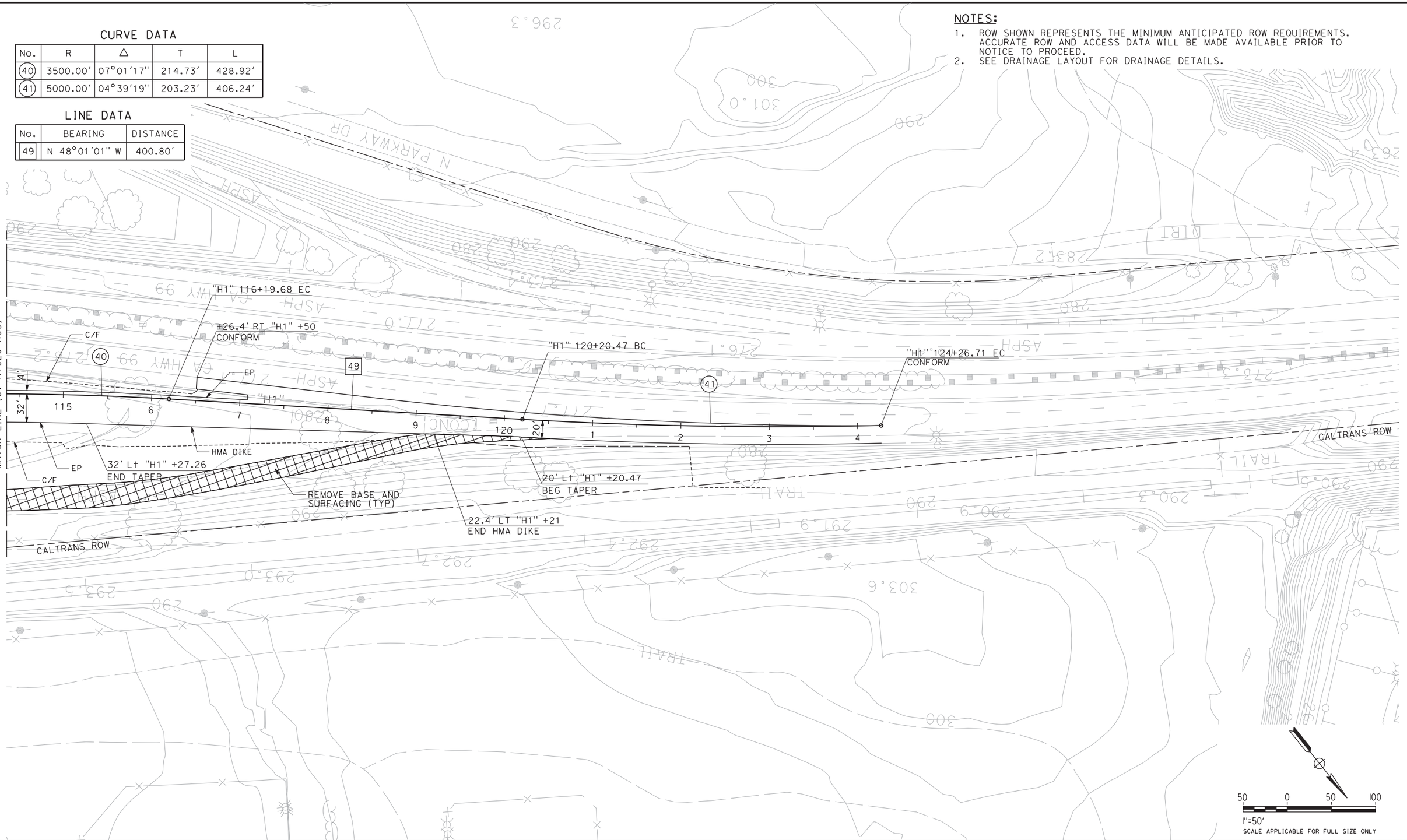
| No. | R | Δ | T | L |
|---|---|---|---|---|
| (40) | 3500.00′ | 07°01′17" | 214.73′ | 428.92′ |
| (41) | 5000.00′ | 04°39′19" | 203.23′ | 406.24′ |

## LINE DATA

| No. | BEARING | DISTANCE |
|---|---|---|
| 49 | N 48°01′01" W | 400.80′ |

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY R. MITRY
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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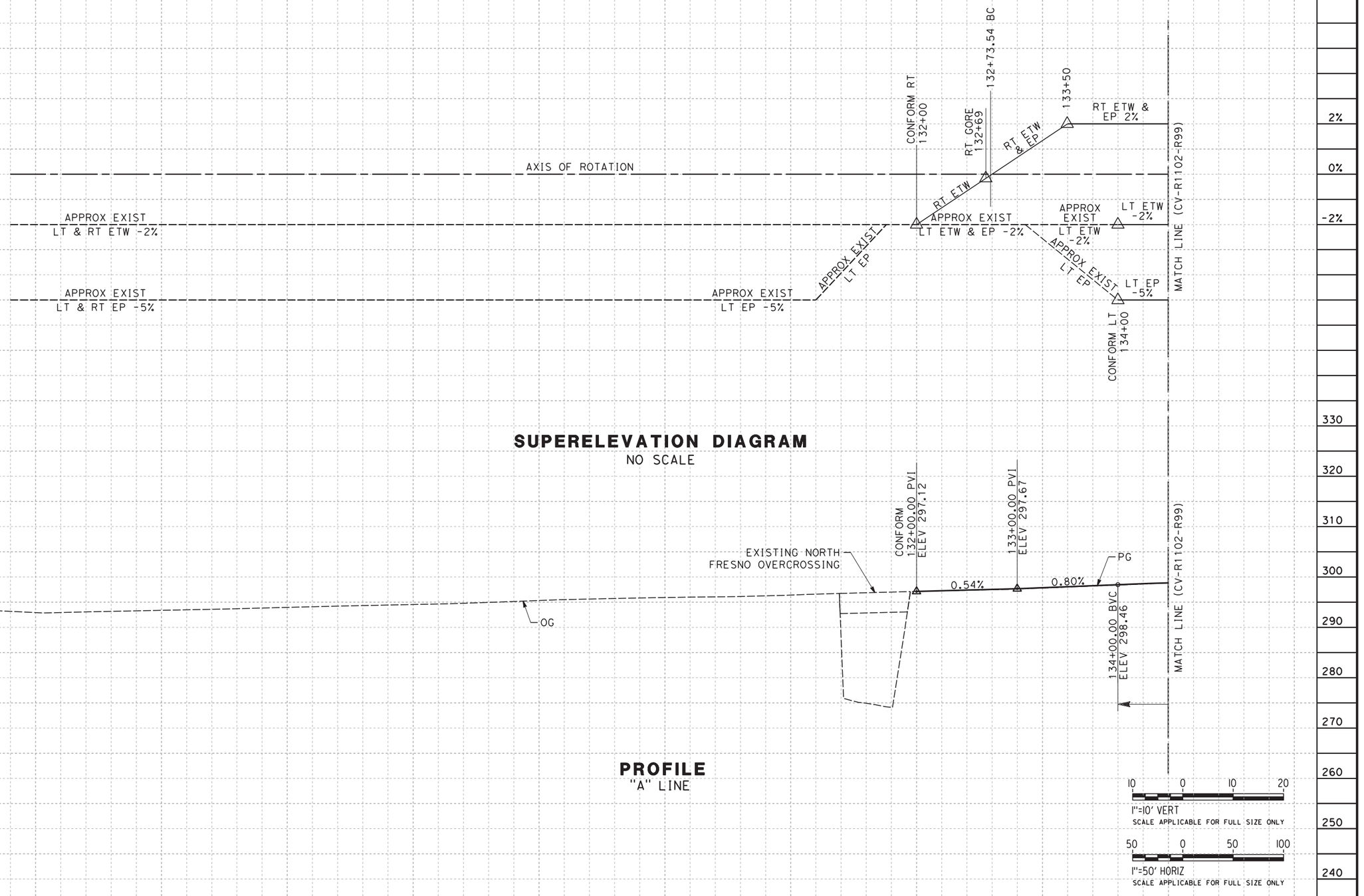
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
LAYOUTS
SR 99 - RAMPS

CONTRACT NO.
DRAWING NO. CV-R1021-R99
SCALE AS SHOWN
SHEET NO.

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| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

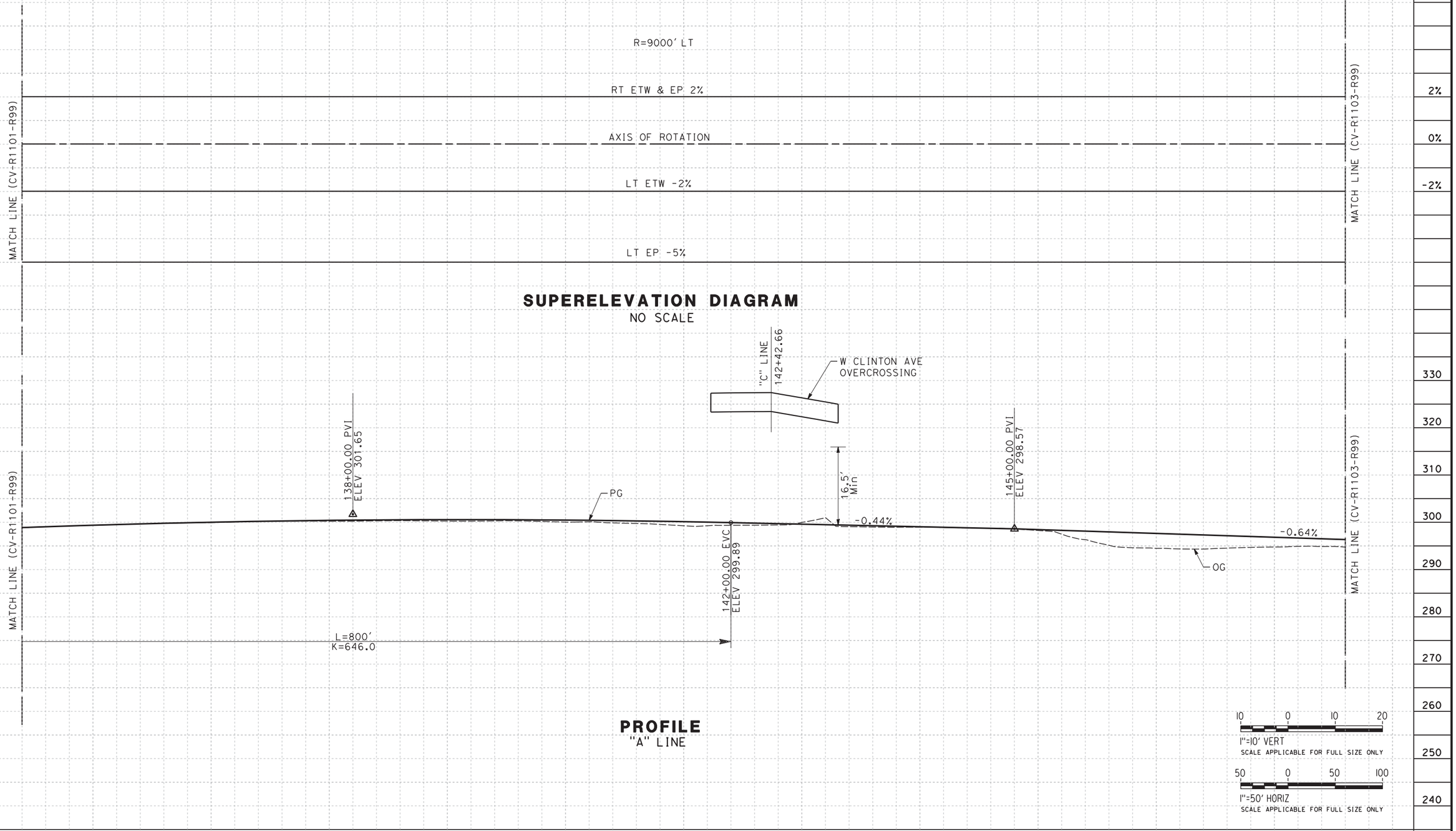
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Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - HIGHWAY "A"

CONTRACT NO.
DRAWING NO. CV-R1101-R99
SCALE AS SHOWN
SHEET NO.

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CAHSRP-R1.TBL CHSR_half_black.plt
11/16/2011 3:18:56 PM
ychiu




**SUPERELEVATION DIAGRAM**
NO SCALE

**PROFILE**
"A" LINE

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

50 0 50 100
1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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Sacramento, CA 95811

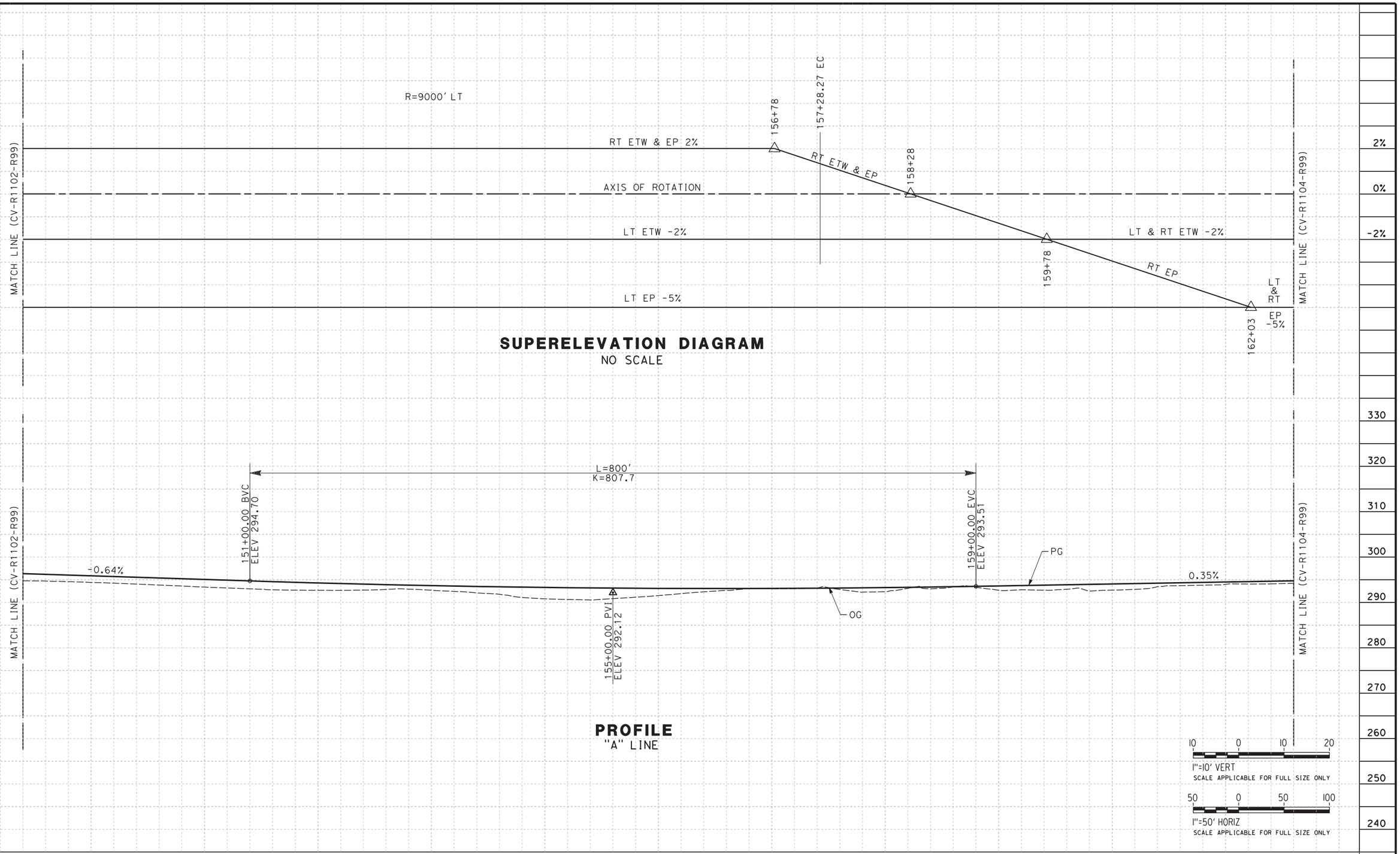
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - HIGHWAY "A"

CONTRACT NO.
DRAWING NO. CV-R1102-R99
SCALE AS SHOWN
SHEET NO.

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CAHSRP-R1.TBL CHSR_half_black.plt
ychiu




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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Sacramento, CA 95811

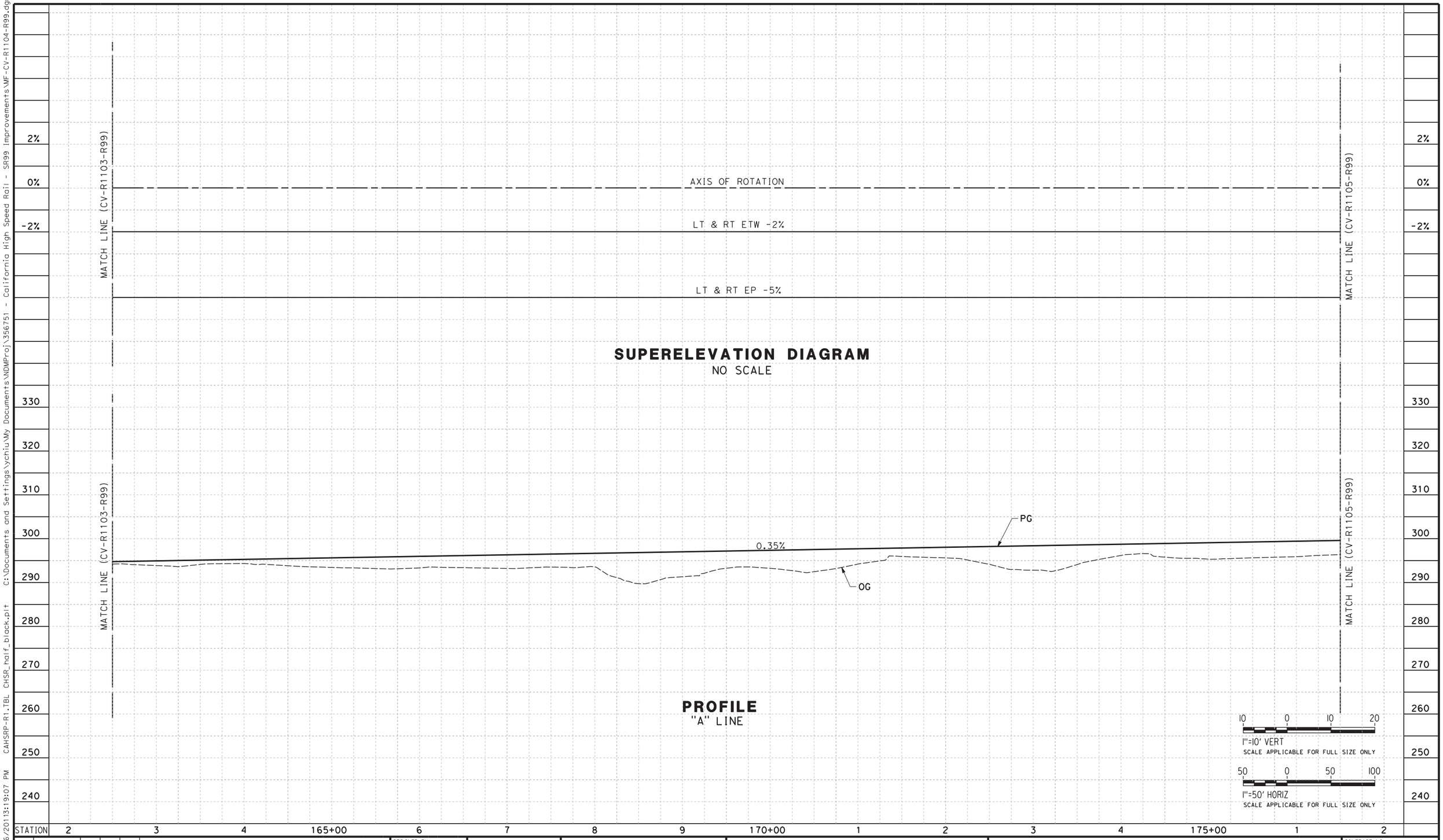
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - HIGHWAY "A"

CONTRACT NO.
DRAWING NO. CV-R1103-R99
SCALE AS SHOWN
SHEET NO.

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11/16/2011 3:19:07 PM
ychiu




## SUPERELEVATION DIAGRAM
NO SCALE

## PROFILE
"A" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

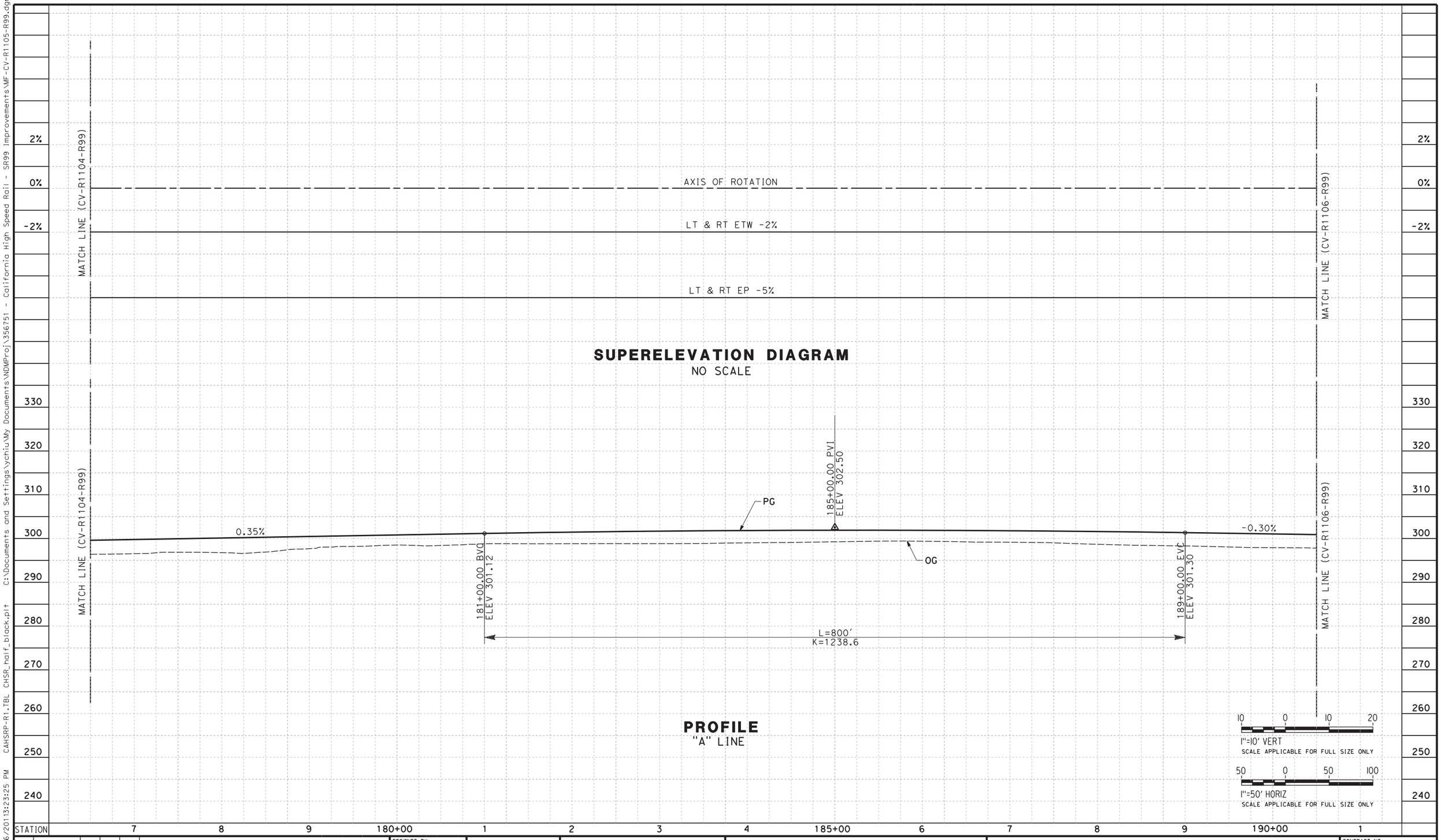
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - HIGHWAY "A"

CONTRACT NO.
DRAWING NO. CV-R1104-R99
SCALE AS SHOWN
SHEET NO.

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CAHSRP-R1.TBL CHSR_half_black.plt
ychiu




**SUPERELEVATION DIAGRAM**
NO SCALE

**PROFILE**
"A" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

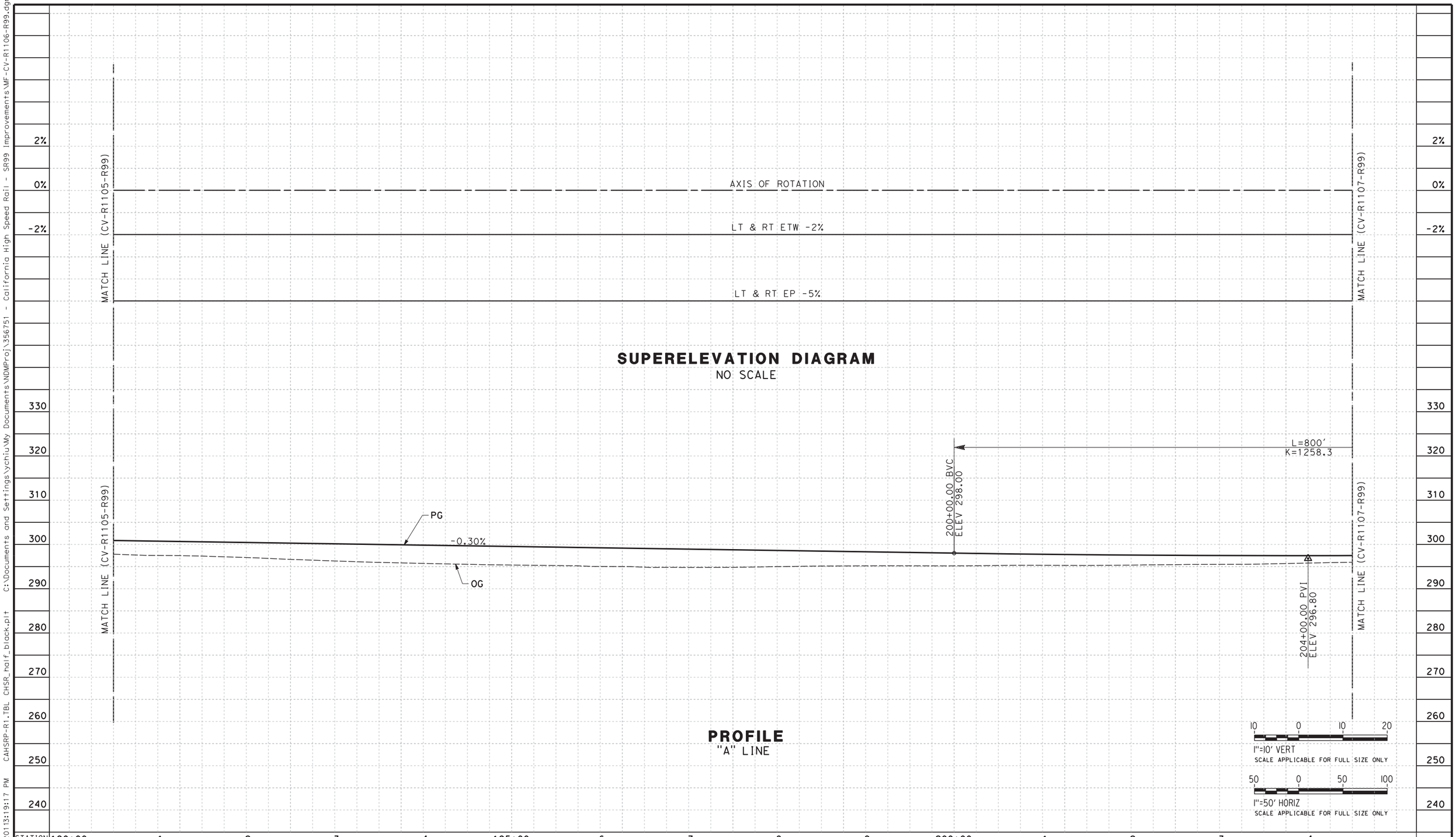
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Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - HIGHWAY "A"

CONTRACT NO.
DRAWING NO. CV-R1105-R99
SCALE AS SHOWN
SHEET NO.

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## SUPERELEVATION DIAGRAM
NO SCALE

## PROFILE
"A" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

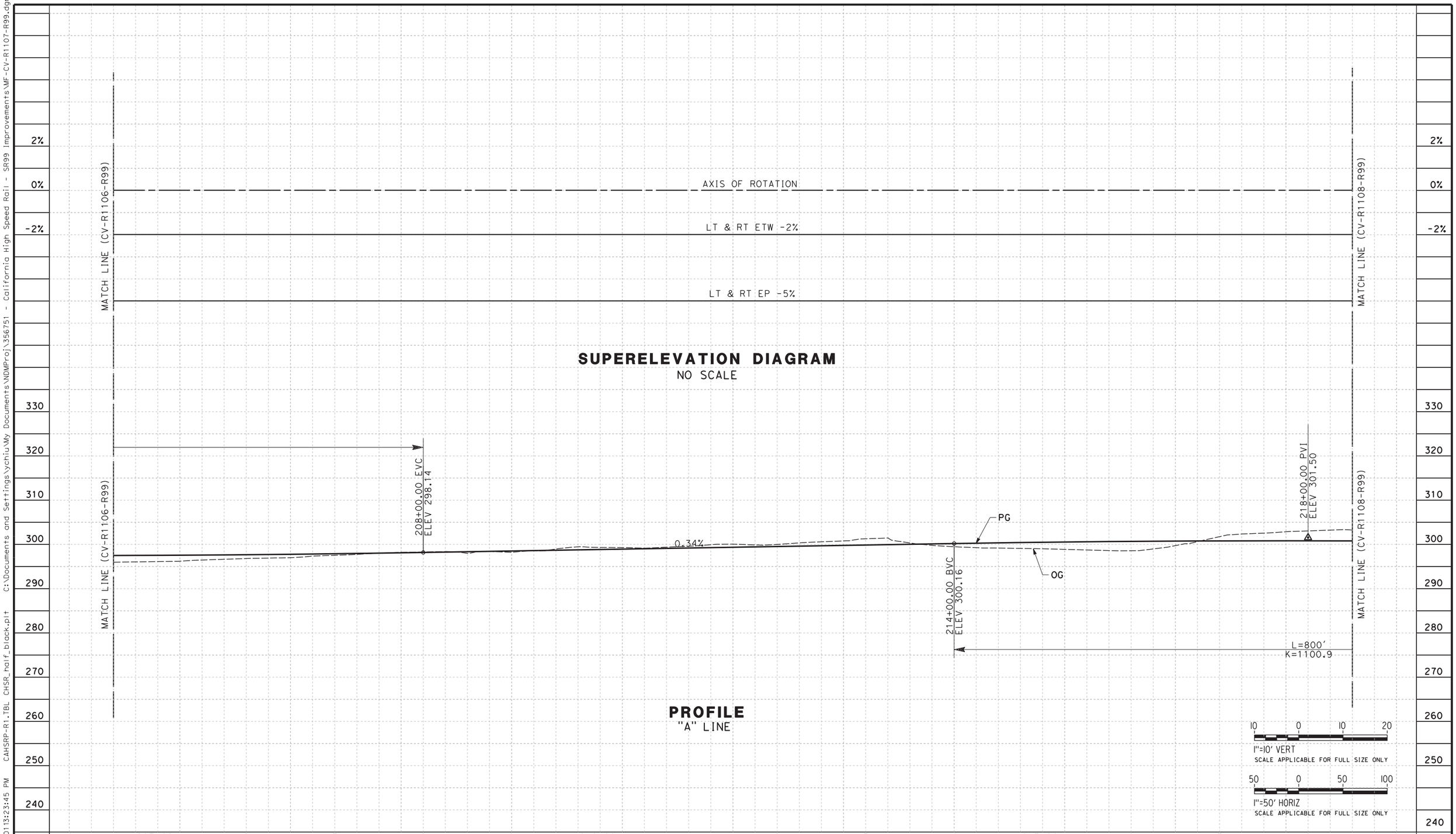
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Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - HIGHWAY "A"

CONTRACT NO.
DRAWING NO. CV-R1106-R99
SCALE AS SHOWN
SHEET NO.

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CAHSRP-R1.TBL CHSR_half_black.plt
ychiu




**SUPERELEVATION DIAGRAM**
NO SCALE

**PROFILE**
"A" LINE

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

50 0 50 100
1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

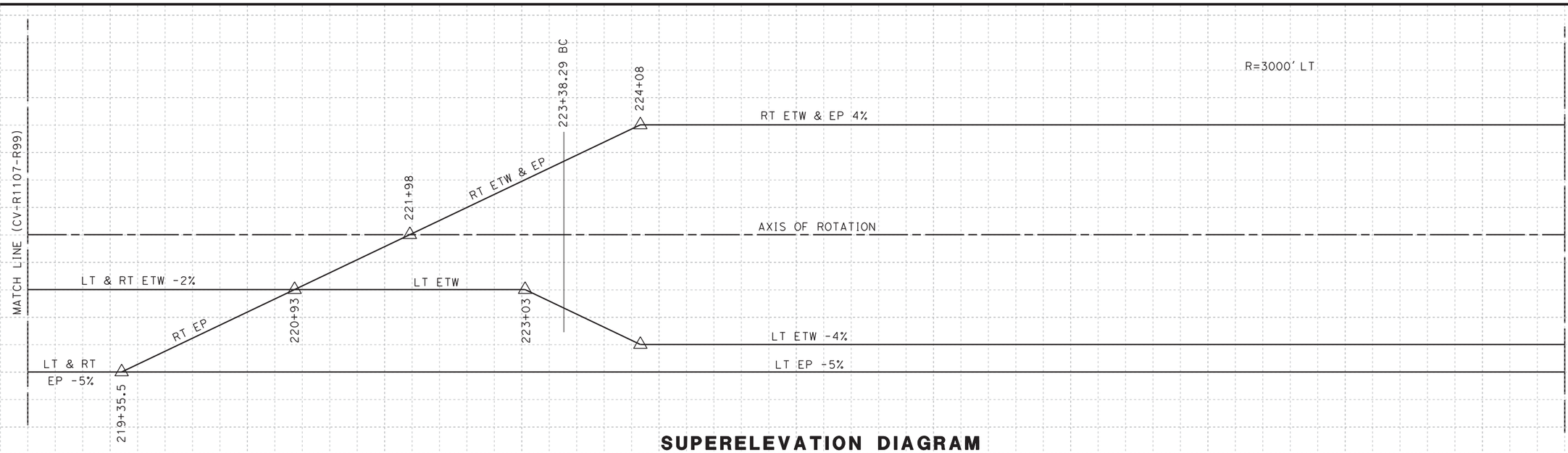
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

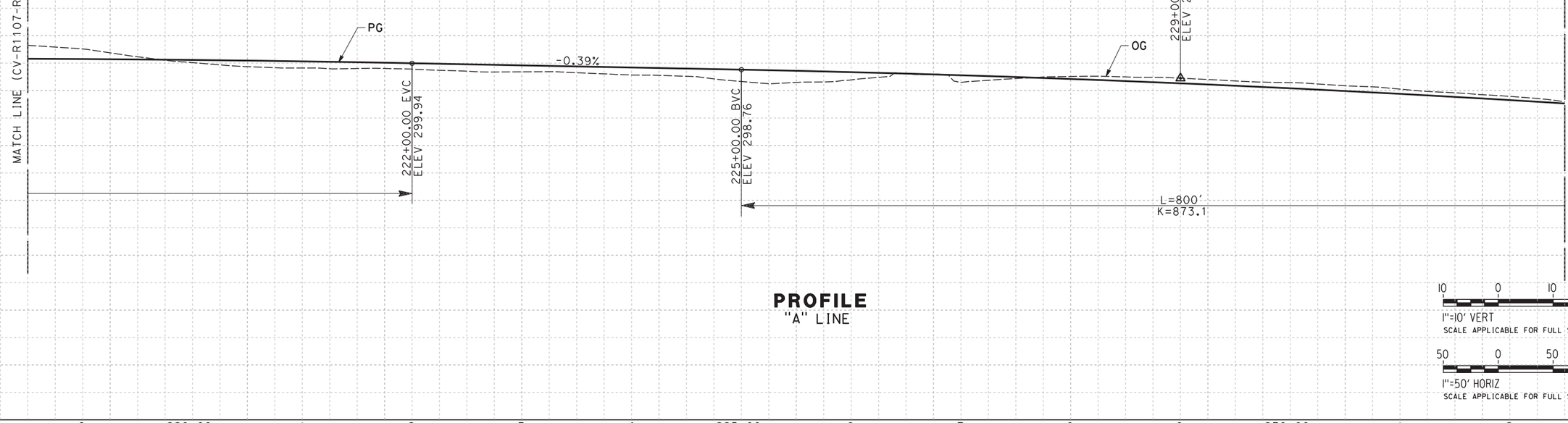
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - HIGHWAY "A"

CONTRACT NO.
DRAWING NO. CV-R1107-R99
SCALE AS SHOWN
SHEET NO.

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11/16/2011 3:24:08 PM
ychiu




## SUPERELEVATION DIAGRAM
NO SCALE




## PROFILE
"A" LINE

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

50 0 50 100
1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

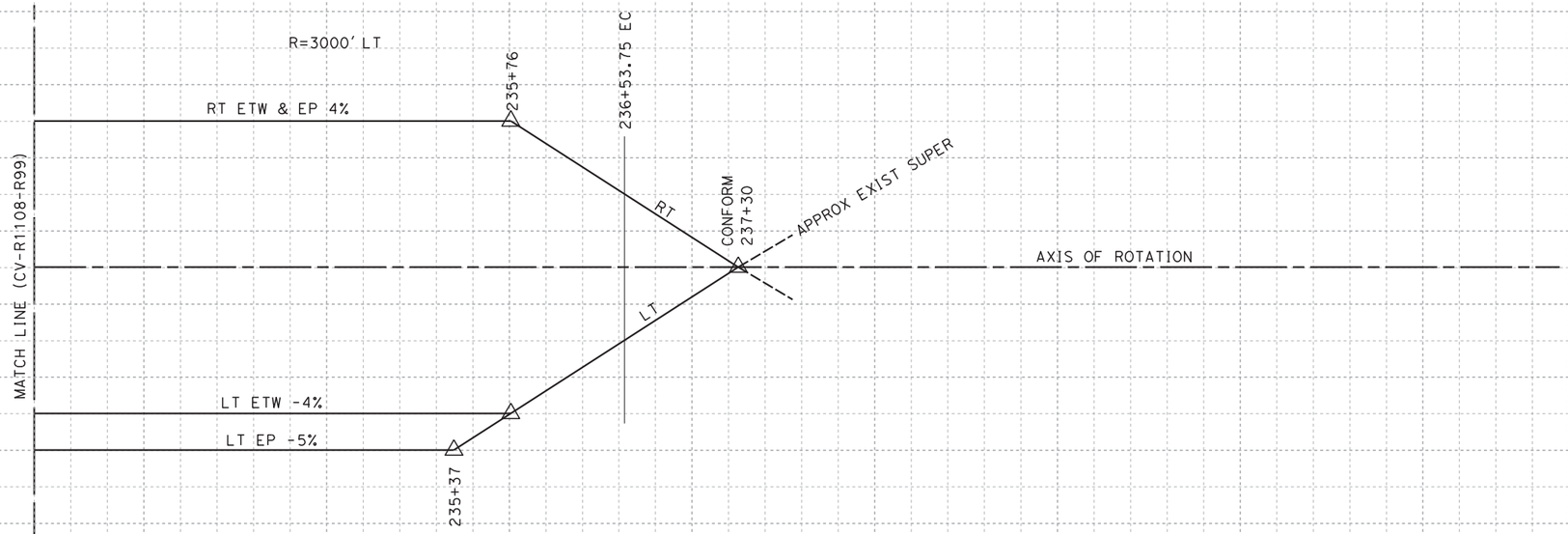
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Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

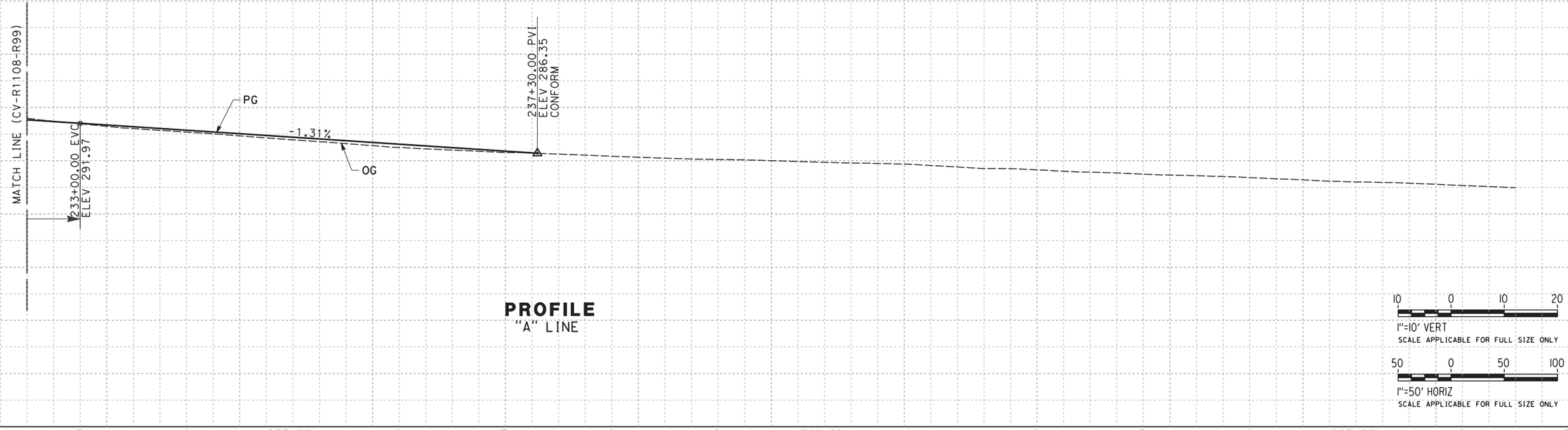
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - HIGHWAY "A"

CONTRACT NO.
DRAWING NO. CV-R1108-R99
SCALE AS SHOWN
SHEET NO.

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2/13/2012 2:28:31 PM
sleong




**SUPERELEVATION DIAGRAM**
NO SCALE




**PROFILE**
"A" LINE

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

50 0 50 100
1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

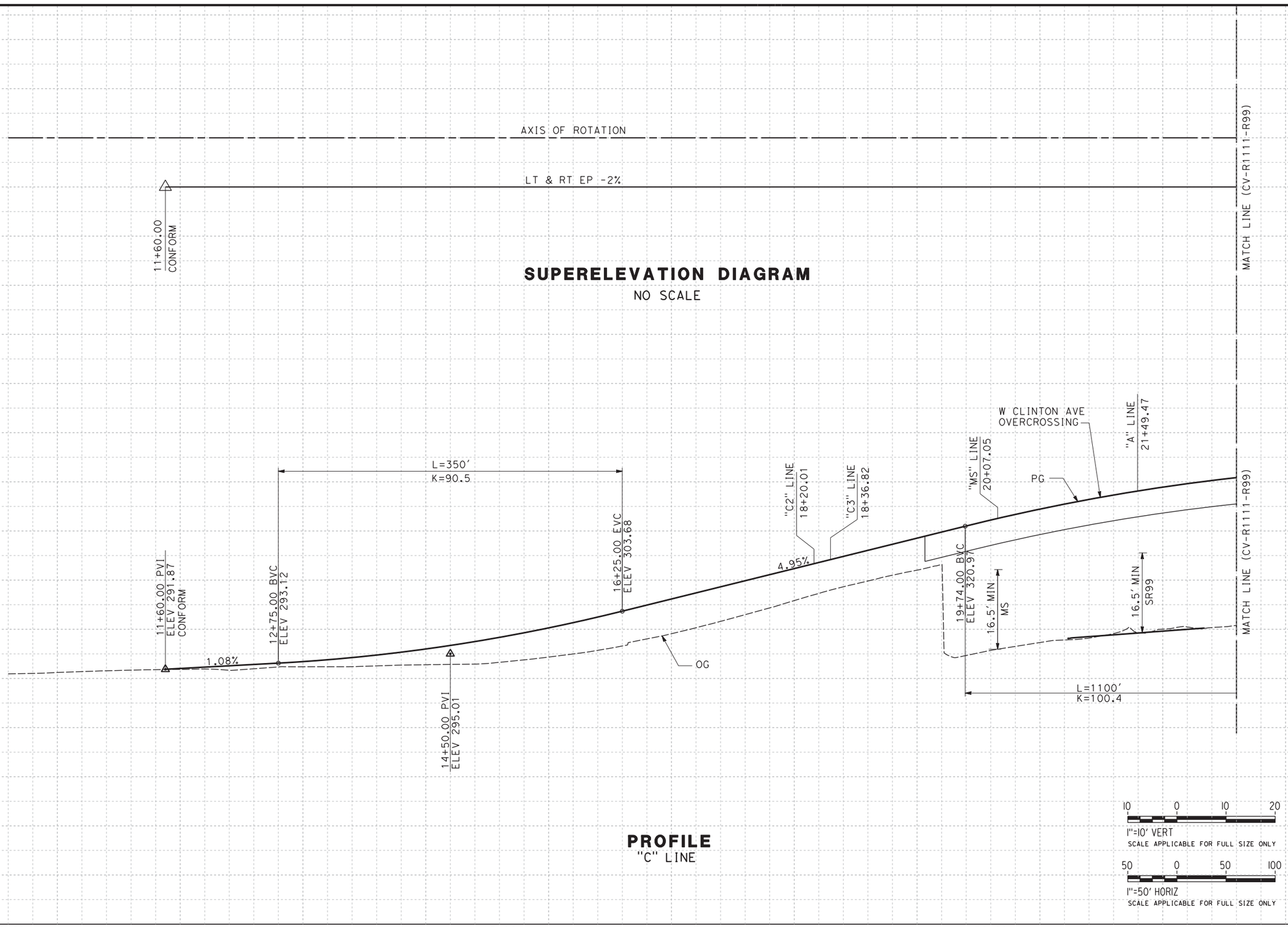
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2020 L Street, Suite 300
Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - HIGHWAY "A"

CONTRACT NO.
DRAWING NO. CV-R1109-R99
SCALE AS SHOWN
SHEET NO.

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CAHSRP-R1.TBL CHSR_half_black.plt
11/16/2013:24:28 PM
ychiu




## SUPERELEVATION DIAGRAM
NO SCALE

## PROFILE
"C" LINE

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

50 0 50 100
1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

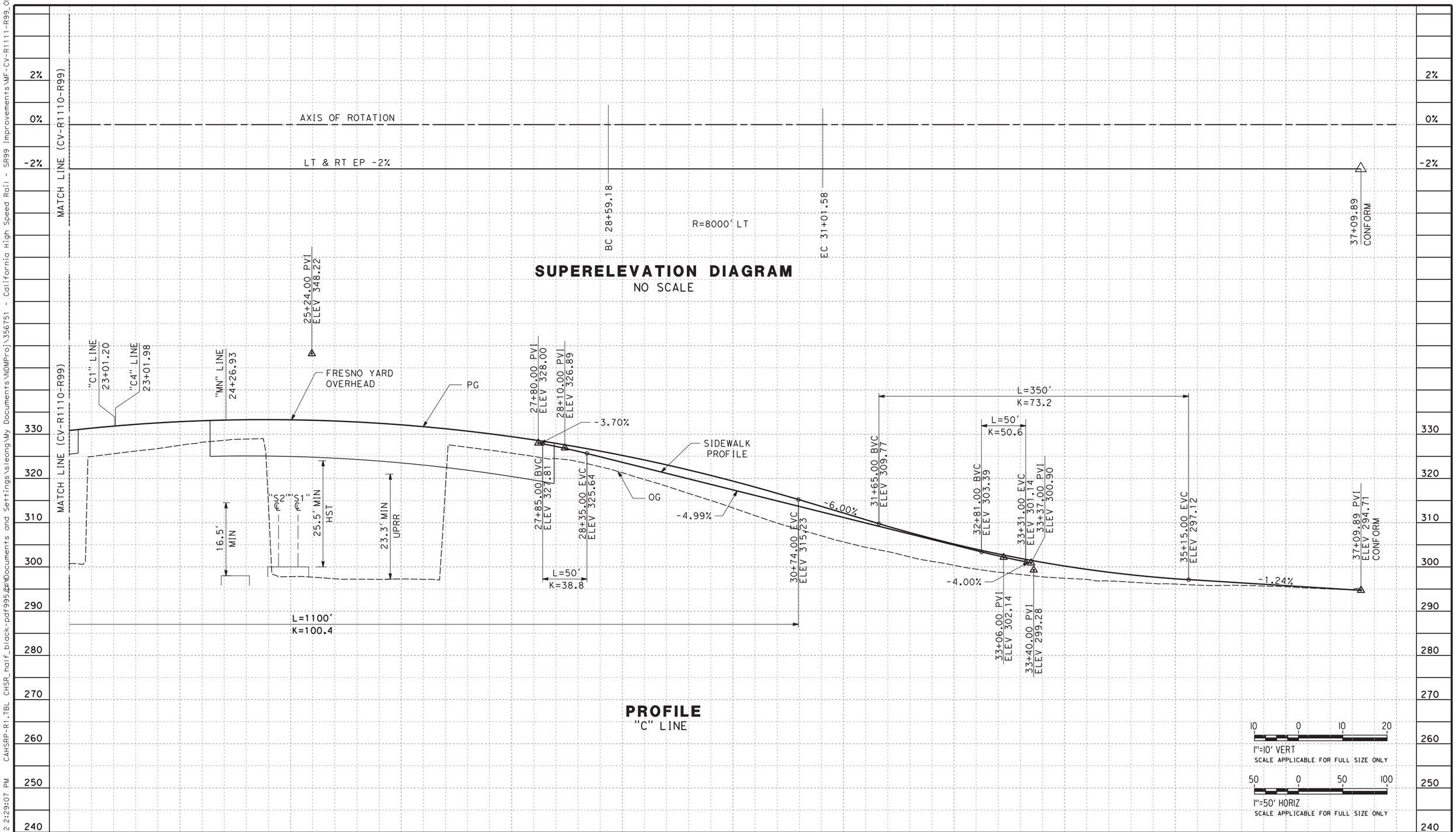
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Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - W CLINTON AVE "C"

CONTRACT NO.
DRAWING NO. CV-R1110-R99
SCALE AS SHOWN
SHEET NO.

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| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

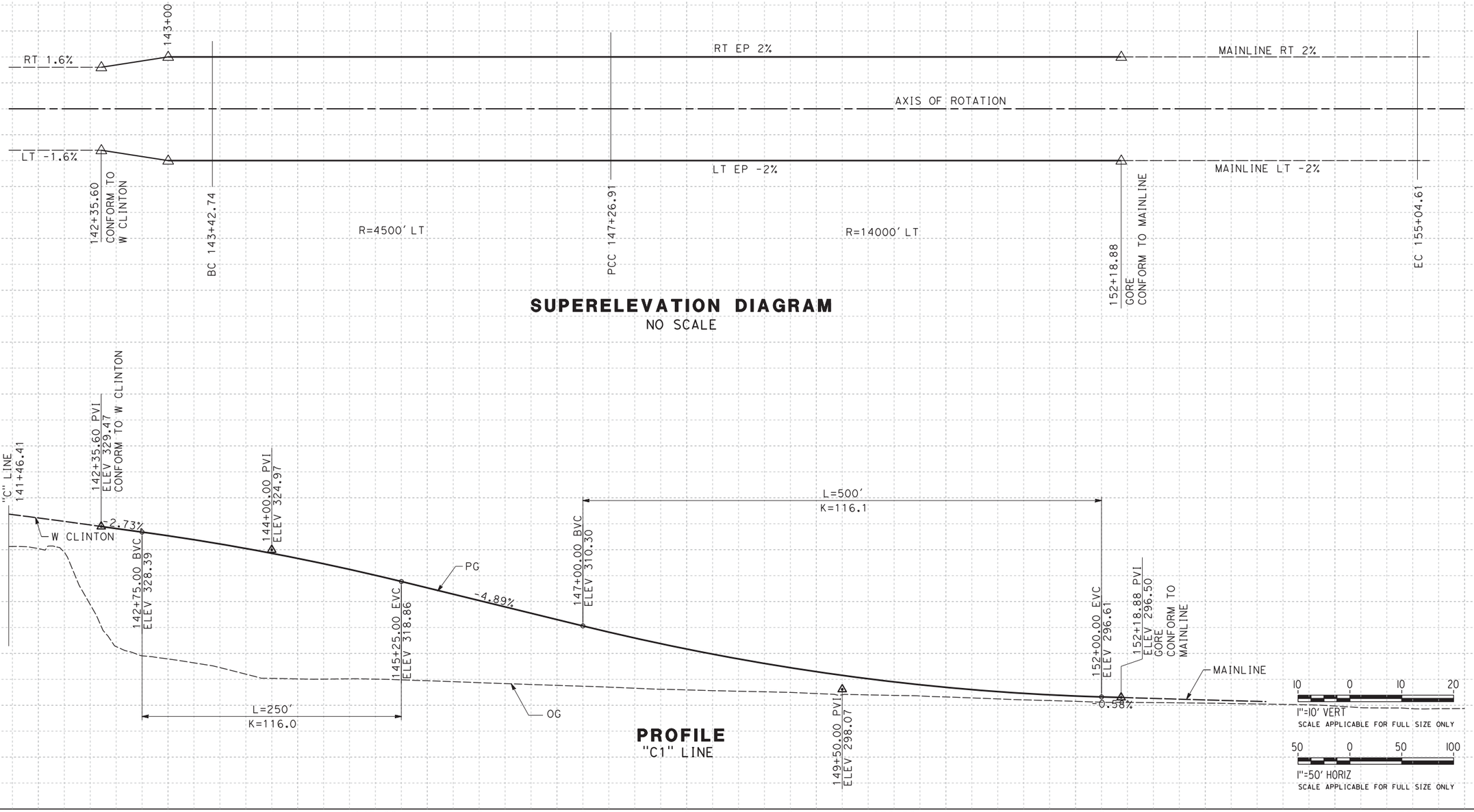
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - W CLINTON AVE "C"

CONTRACT NO.
DRAWING NO. CV-R1111-R99
SCALE AS SHOWN
SHEET NO.




**SUPERELEVATION DIAGRAM**
NO SCALE




**PROFILE**
"C1" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

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IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - RAMP "C1"

CONTRACT NO.
DRAWING NO. CV-R1112-R99
SCALE AS SHOWN
SHEET NO.

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145+89
RT EP 9%
149+81
5%
RT 4.9%
151+88.67
RT EP 2%
MAINLINE RT 2%
2%
0%
AXIS OF ROTATION
0%
-2%
LT EP -2%
MAINLINE LT -2%
-5%
LT -4.9%
144+90.43
CONFORM TO
W CLINTON
BC 145+17.39
LT EP -9%
R=1188' LT
EC 150+81.69
157+21.0
GORE
CONFORM TO MAINLINE

**SUPERELEVATION DIAGRAM**
NO SCALE

340
330
320
310
300
290
280
270

"C" LINE
144+12.71
144+90.43 PVI
ELEV 311.20
CONFORM TO
W CLINTON
W CLINTON
-2.76%
OG
150+40.00 BVC
ELEV 296.06
L=400'
K=130.9
PG
154+40.00 EVC
ELEV 291.15
152+40.00 PVI
ELEV 290.55
0.30%
157+21.00 PVI
ELEV 291.99
GORE
CONFORM TO MAINLINE
MAINLINE

**PROFILE**
"C2" LINE

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

50 0 50 100
1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

STATION 4 145+00 6 7 8 9 150+00 1 2 3 4 155+00 6

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DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

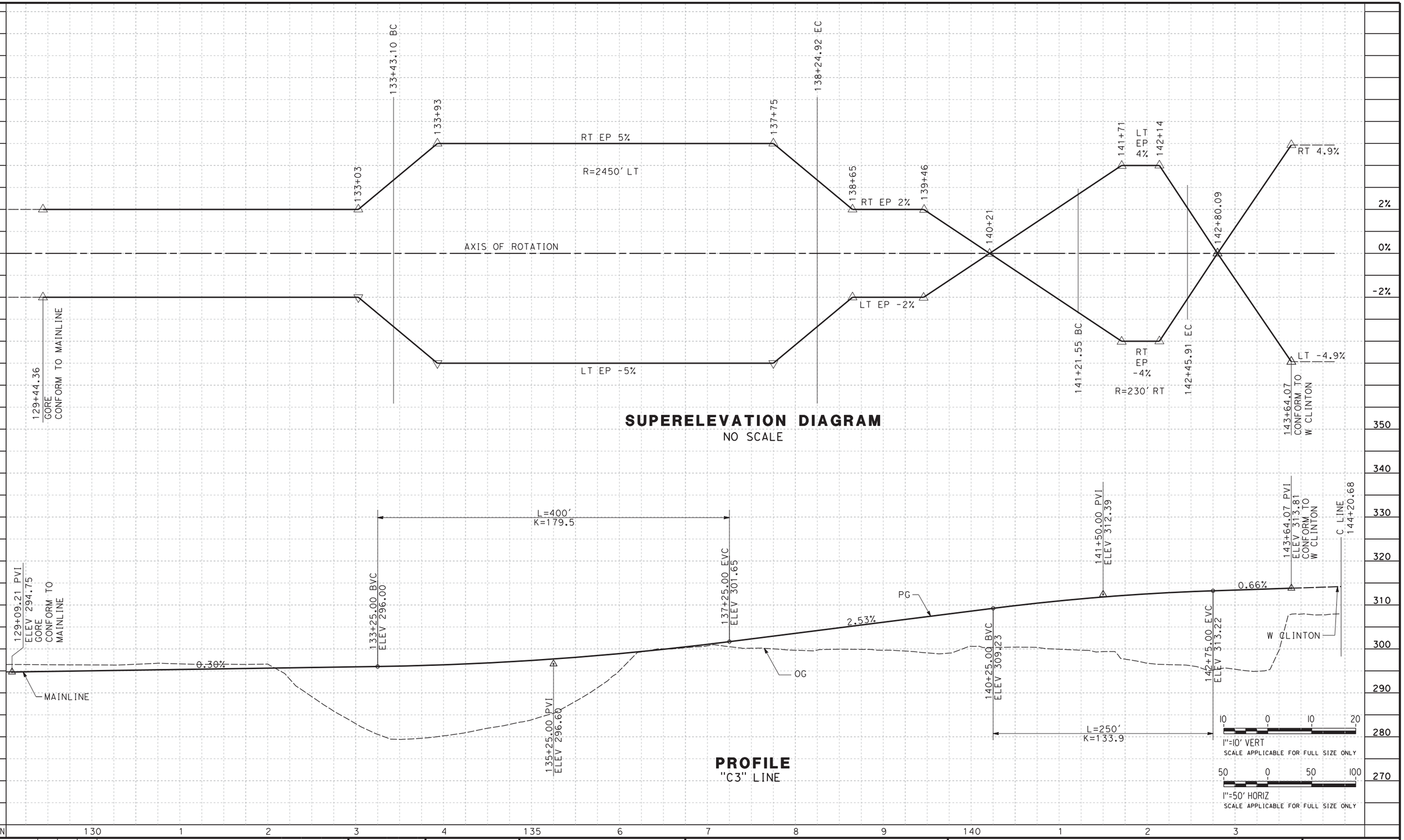
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - RAMP "C2"

CONTRACT NO.
DRAWING NO. CV-R1113-R99
SCALE AS SHOWN
SHEET NO.

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DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

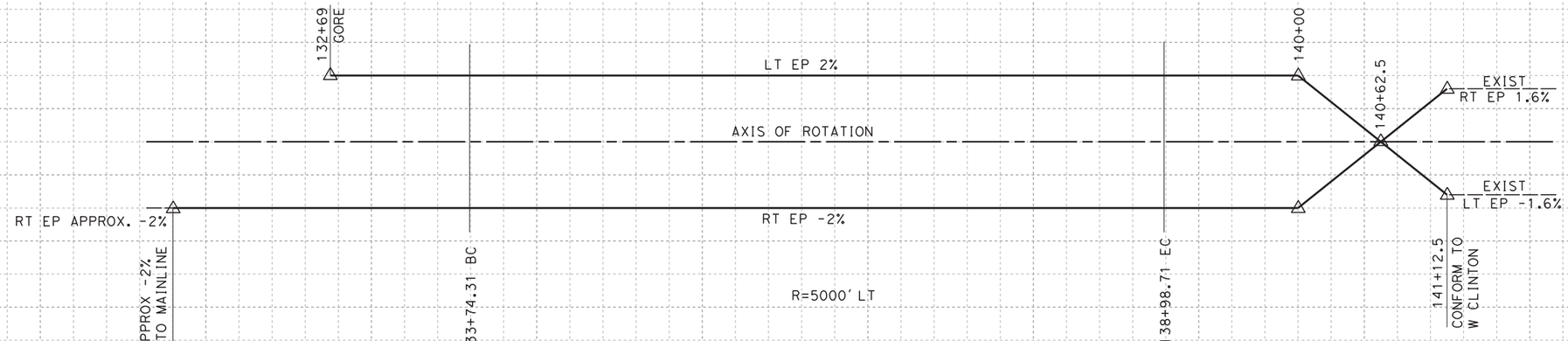
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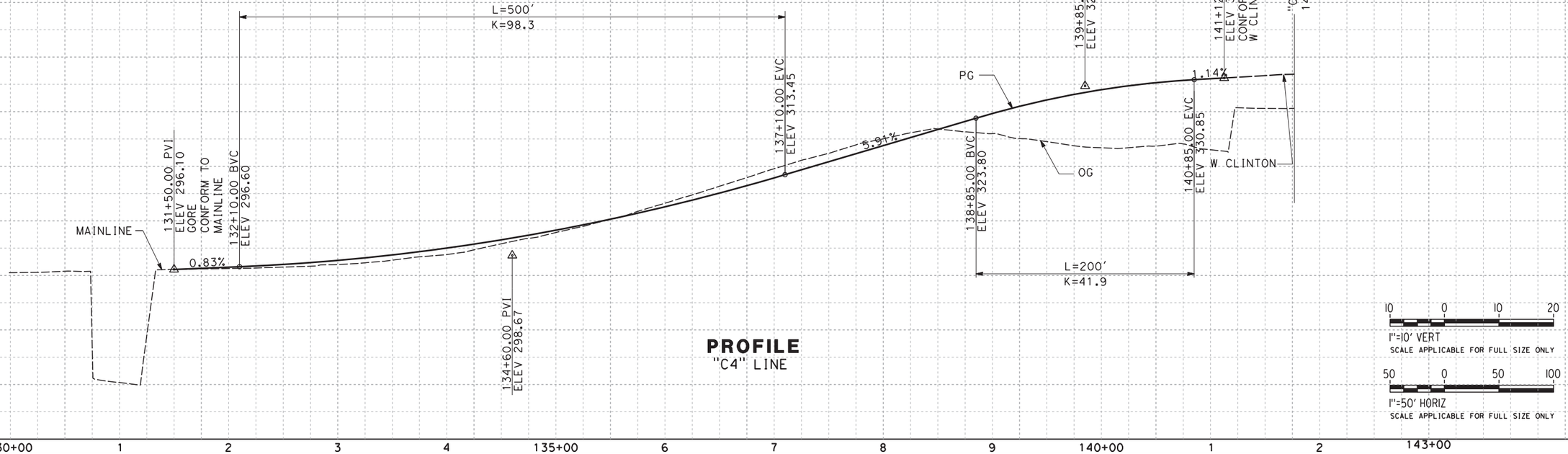
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - RAMP "C3"

CONTRACT NO.
DRAWING NO. CV-R1114-R99
SCALE AS SHOWN
SHEET NO.




## SUPERELEVATION DIAGRAM
NO SCALE




## PROFILE
"C4" LINE

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

50 0 50 100
1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

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|---|---|---|---|---|---|

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DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

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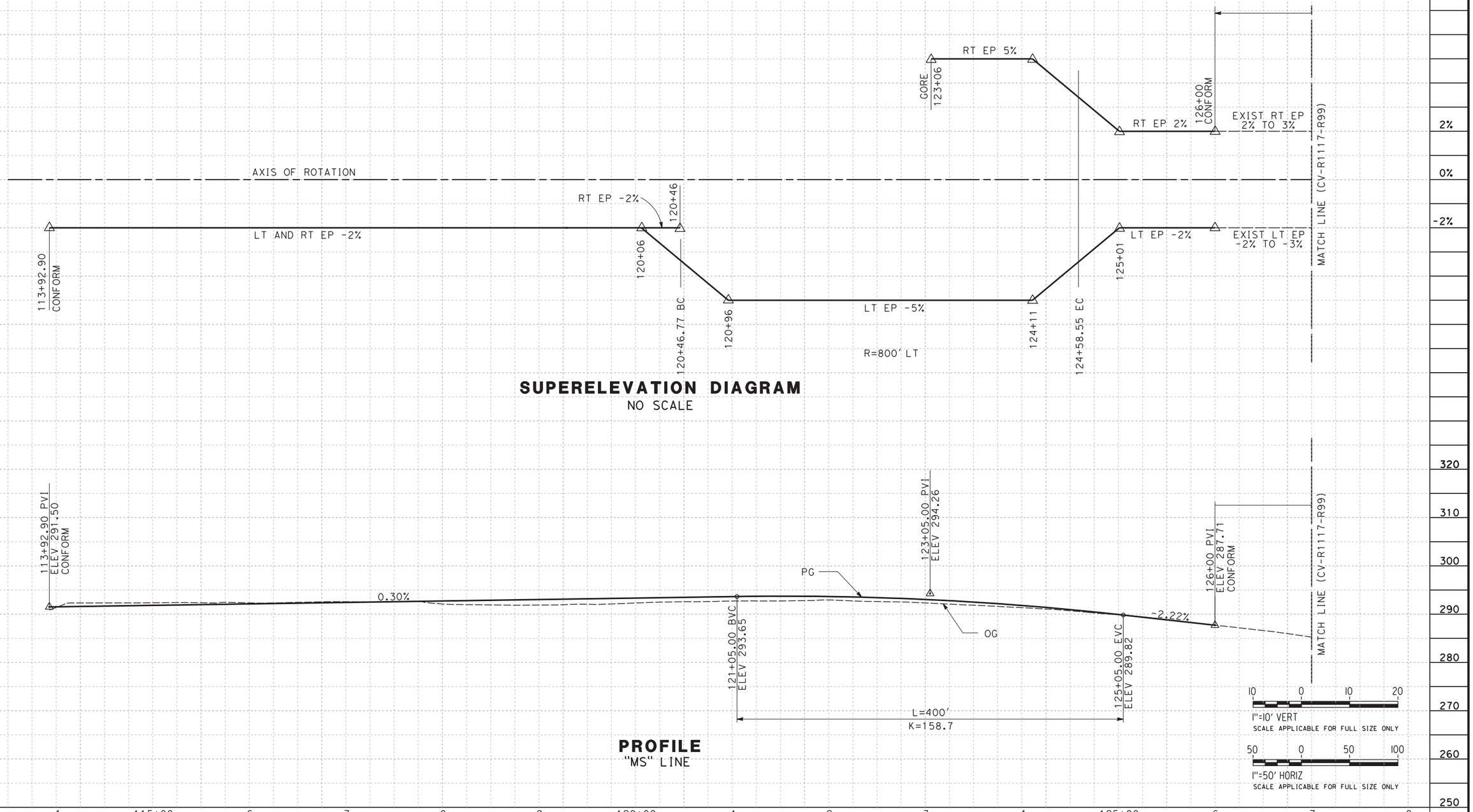
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - RAMP "C4"

CONTRACT NO.
DRAWING NO. CV-R1115-R99
SCALE AS SHOWN
SHEET NO.

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**SUPERELEVATION DIAGRAM**
NO SCALE

**PROFILE**
"MS" LINE

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

50 0 50 100
1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

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|---|---|---|---|---|---|

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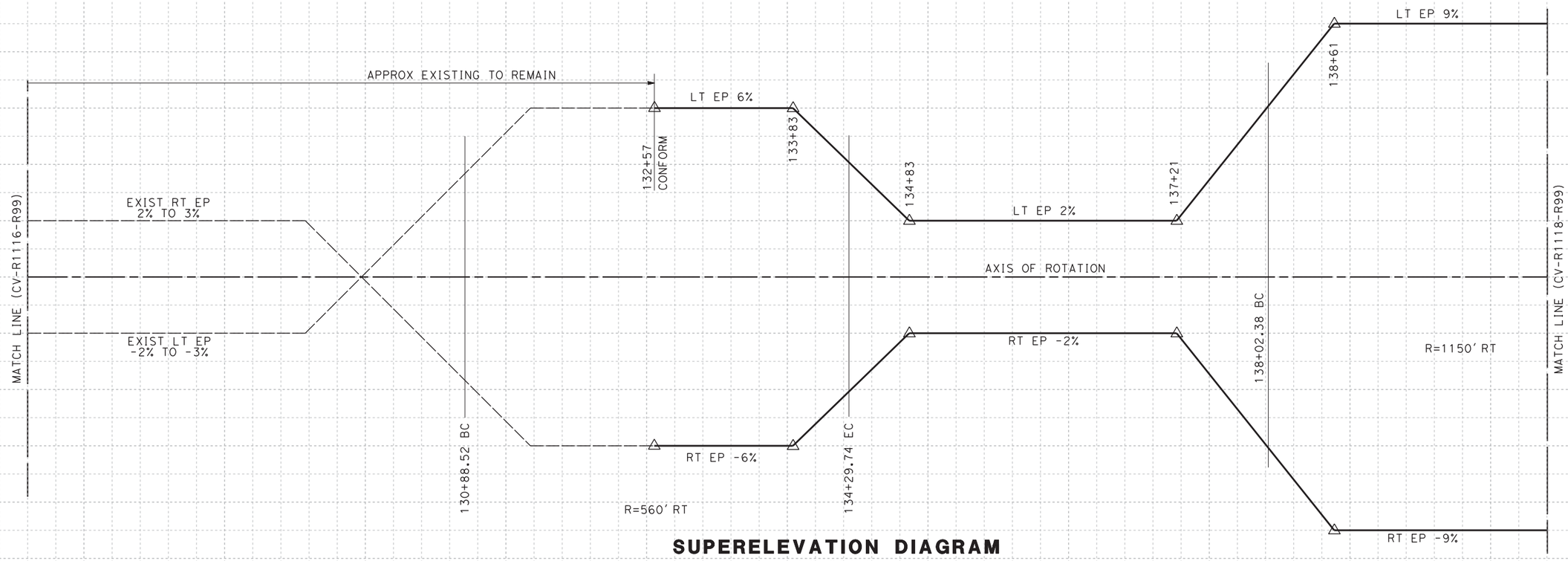
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - RAMP "MS"

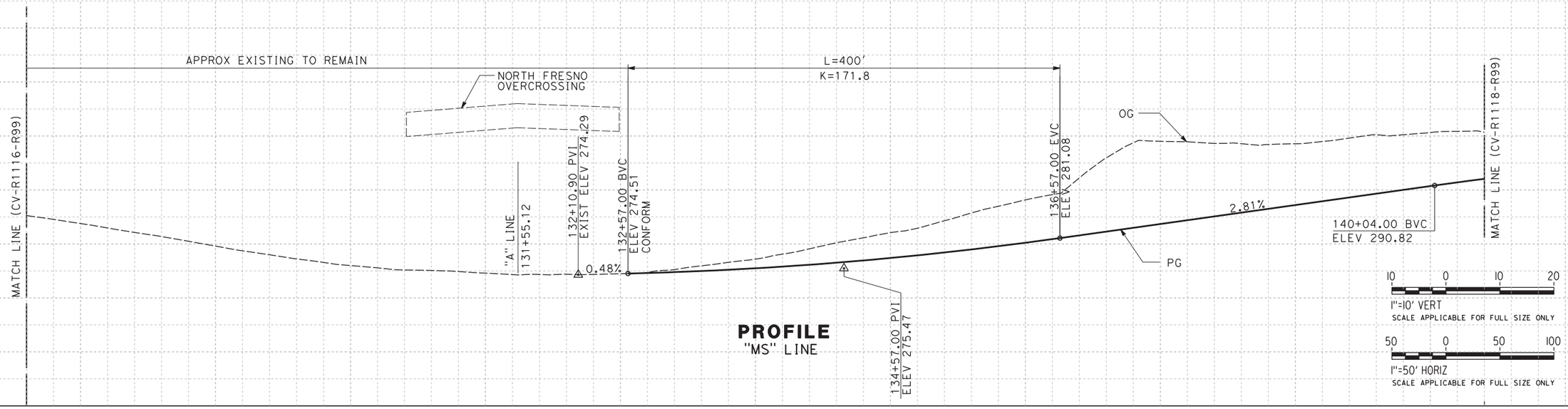
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SHEET NO.

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**SUPERELEVATION DIAGRAM**
NO SCALE




**PROFILE**
"MS" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

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DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

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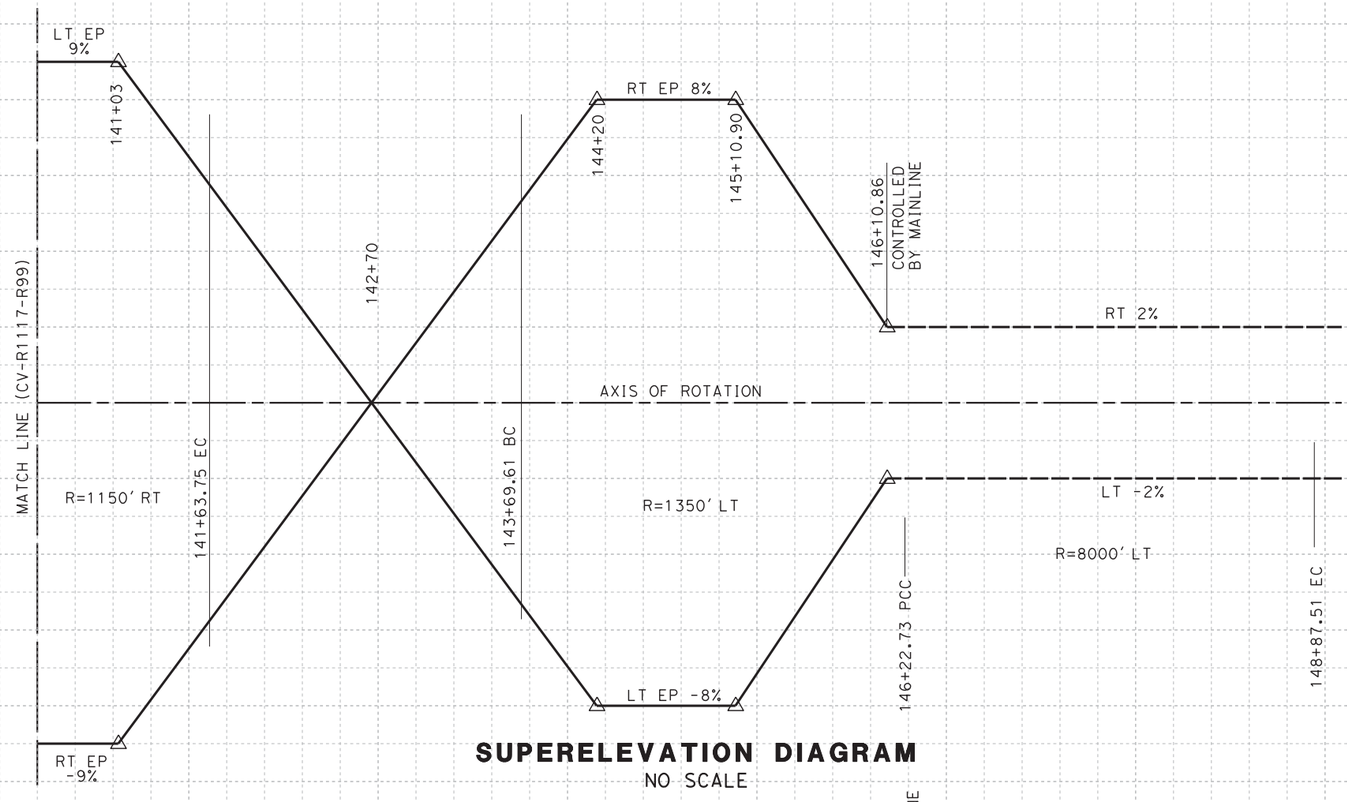
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

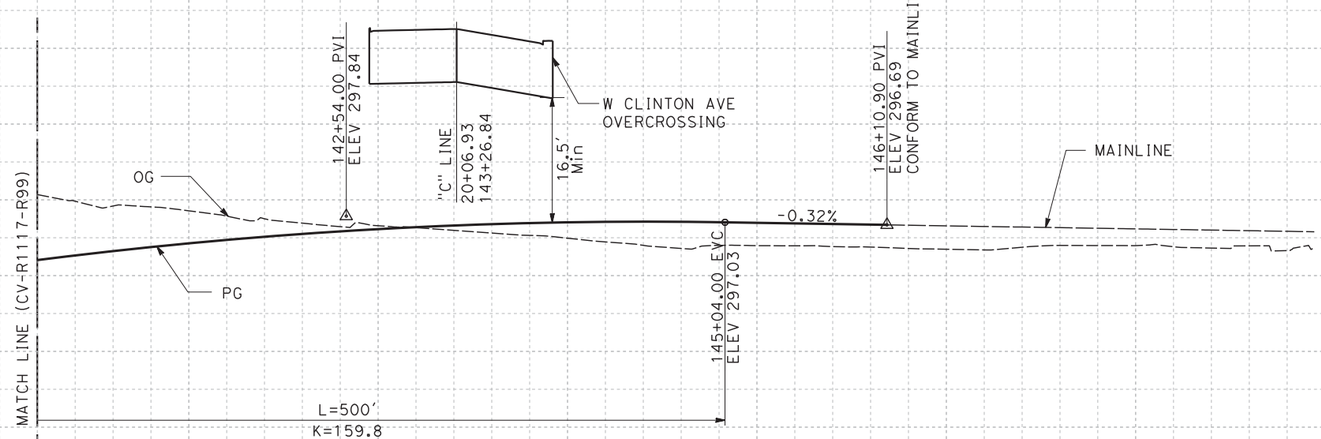
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - RAMP "MS"

CONTRACT NO.
DRAWING NO. CV-R1117-R99
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SHEET NO.

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**SUPERELEVATION DIAGRAM**
NO SCALE




**PROFILE**
"MS" LINE

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

50 0 50 100
1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

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CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

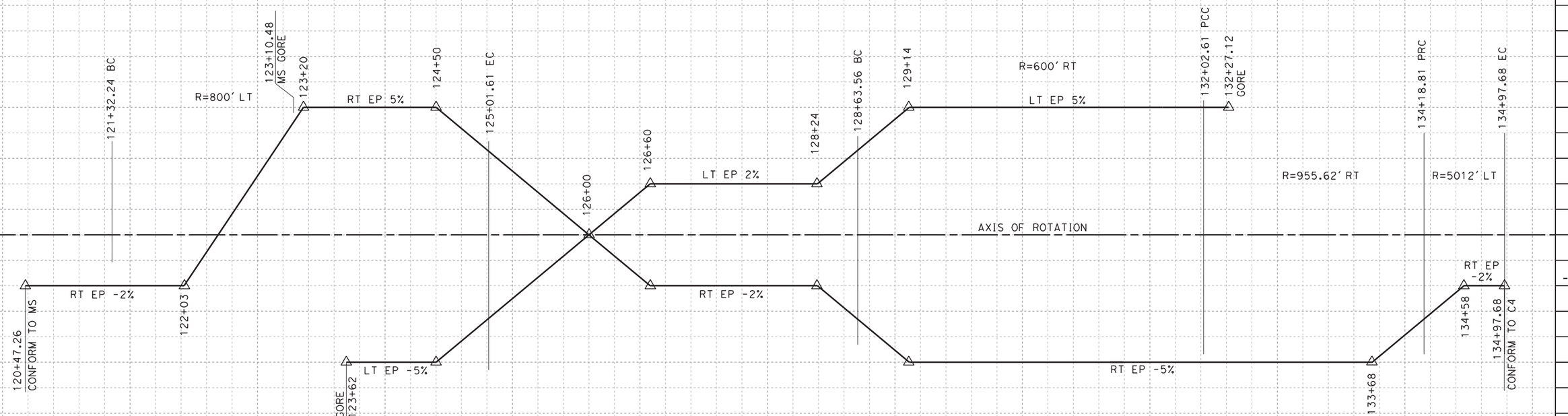
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

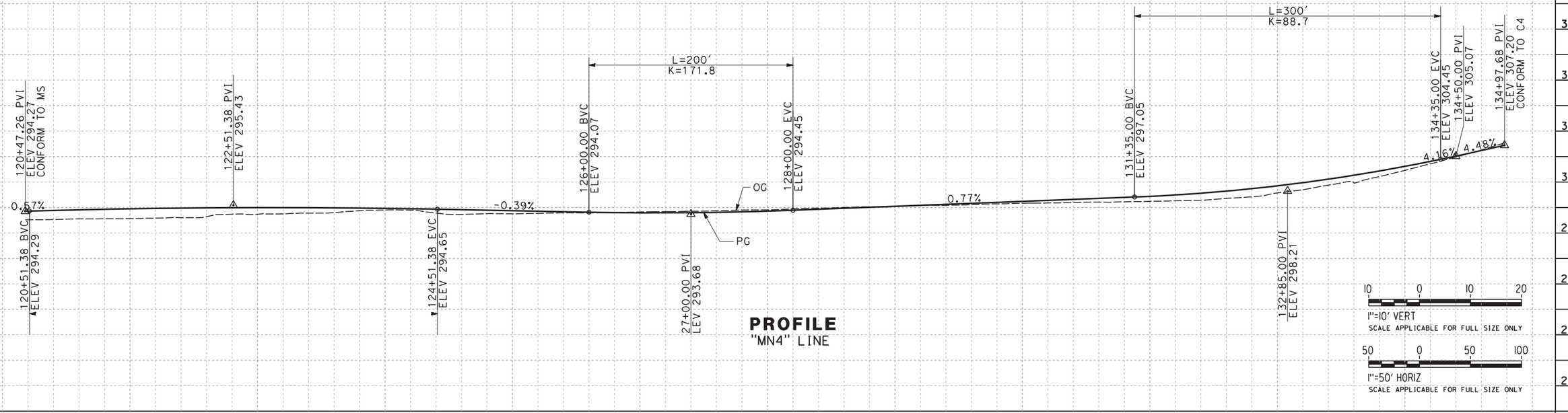
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - RAMP "MS"

CONTRACT NO.
DRAWING NO. CV-R1118-R99
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SHEET NO.

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## SUPERELEVATION DIAGRAM
NO SCALE




## PROFILE
"MN4" LINE




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

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CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 2/17/12

**PROPOSED PRELIMINARY DESIGN**

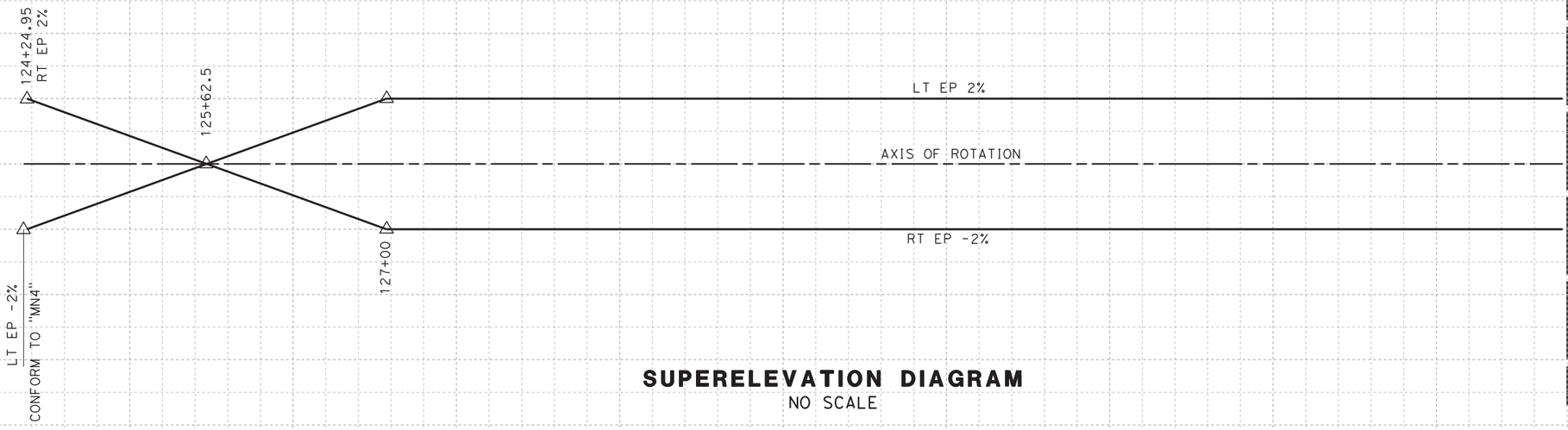
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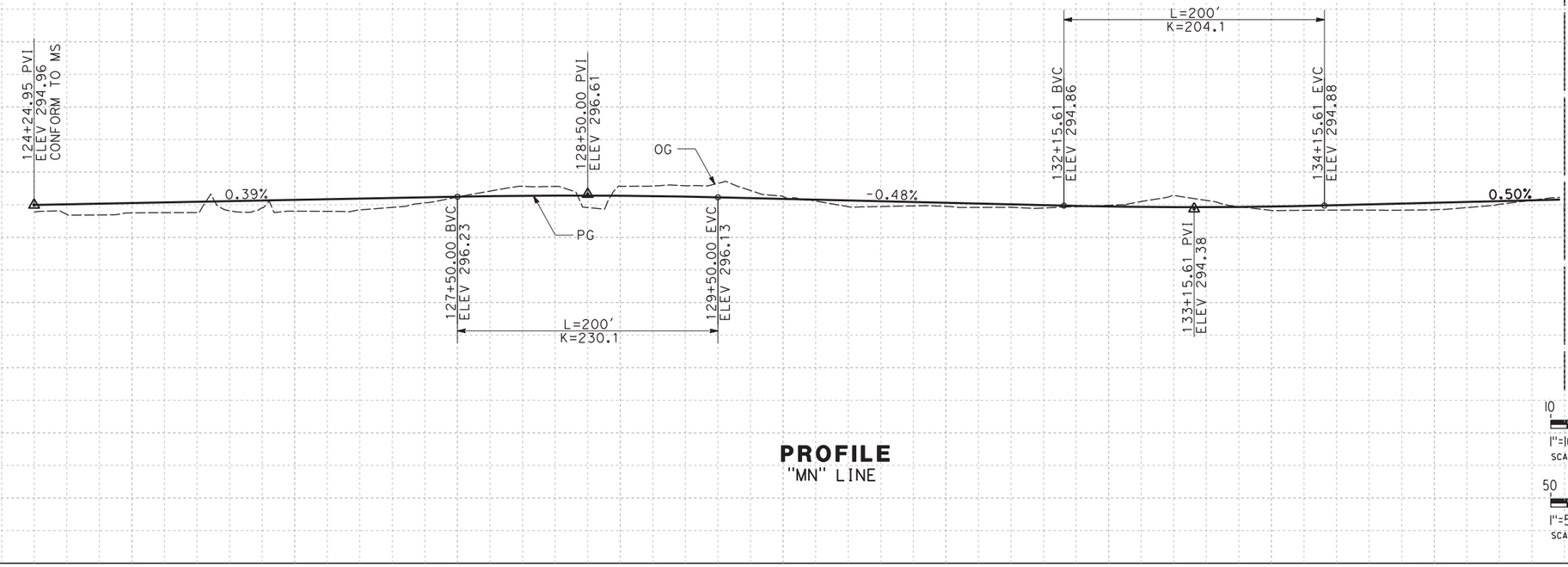
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - RAMP "MN4"

CONTRACT NO.
DRAWING NO. CV-R1119-R99
SCALE AS SHOWN
SHEET NO.




## SUPERELEVATION DIAGRAM
NO SCALE




## PROFILE
"MN" LINE

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

50 0 50 100
1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
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DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

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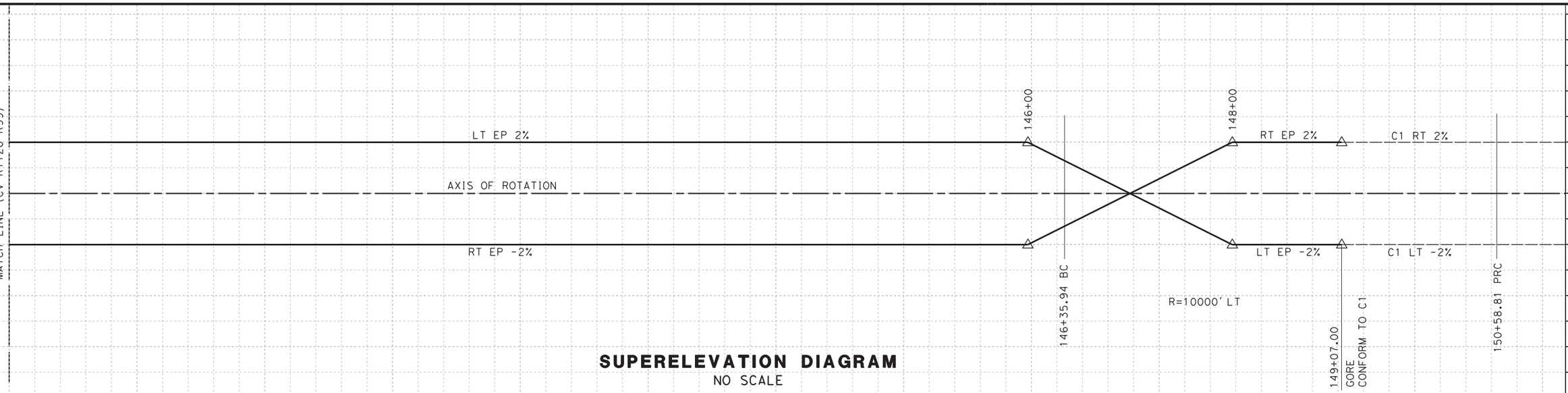
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - RAMP "MN"

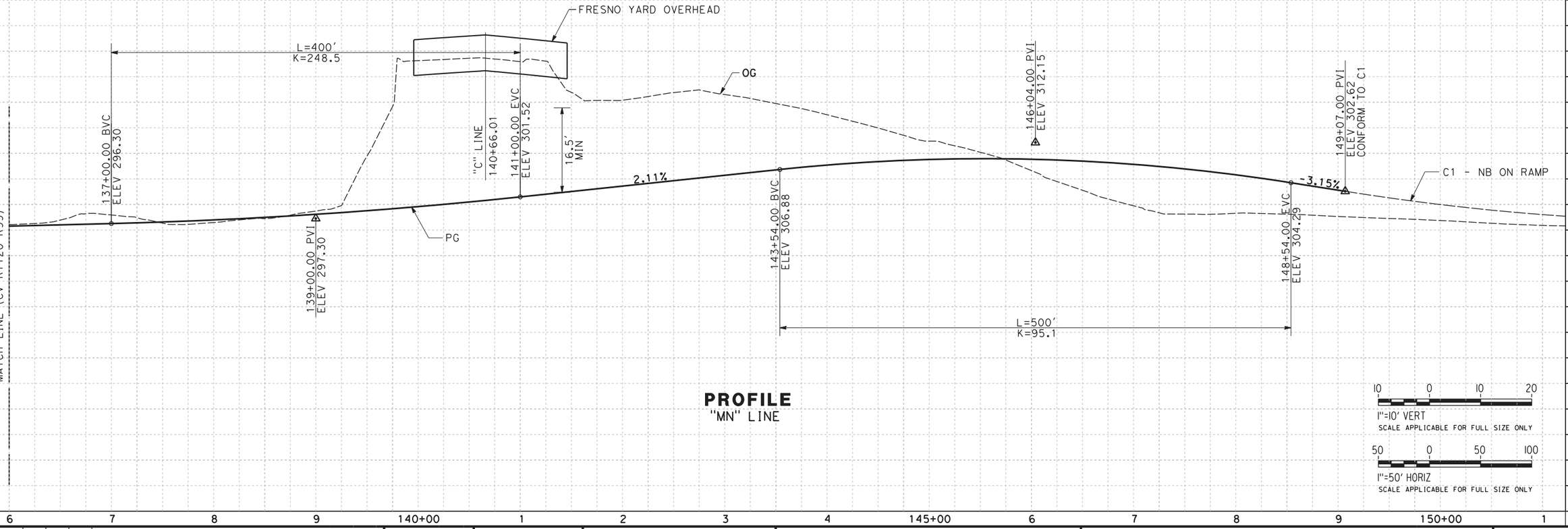
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SHEET NO.

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## SUPERELEVATION DIAGRAM
NO SCALE




## PROFILE
"MN" LINE

1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

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DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

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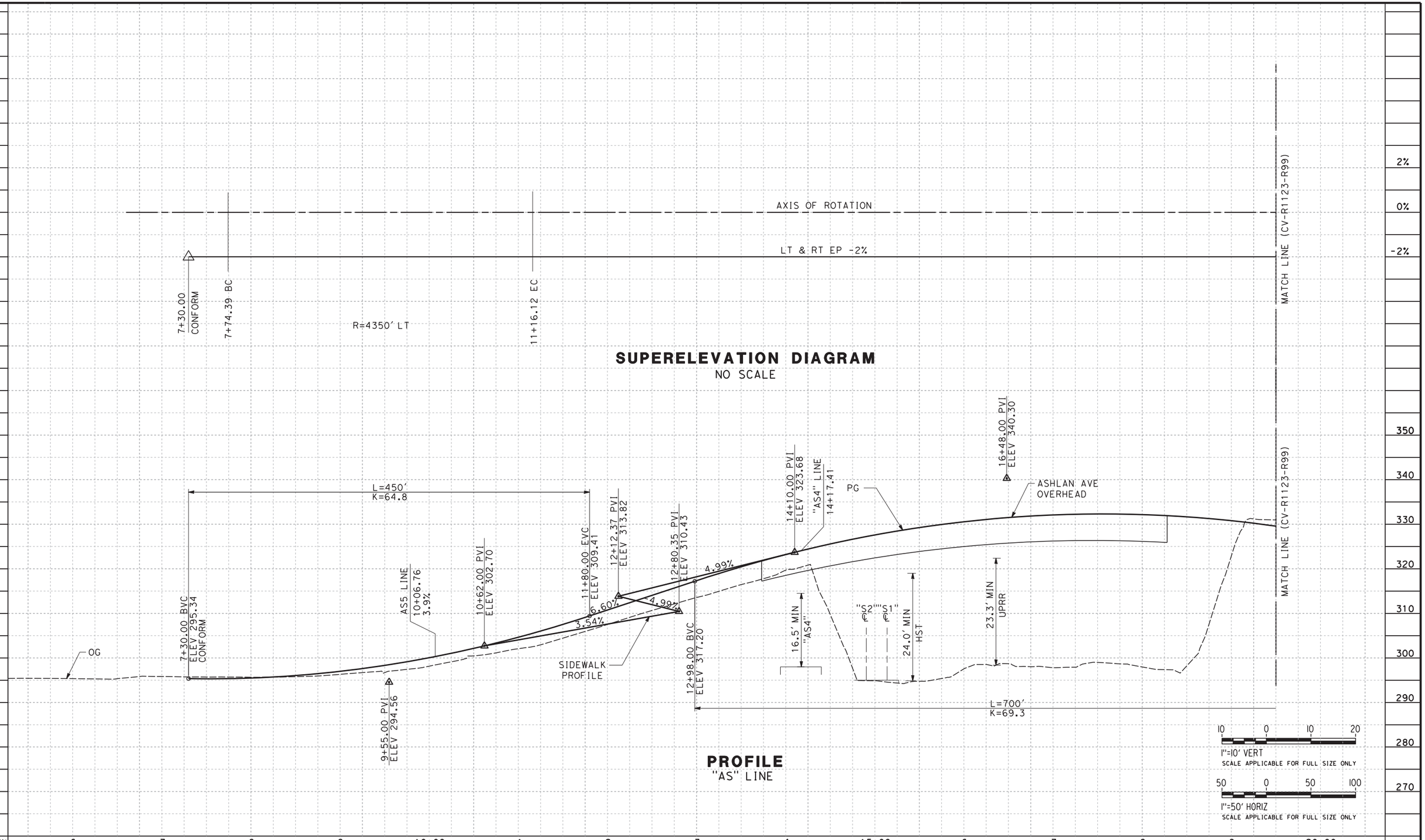
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - RAMP "MN"

CONTRACT NO.
DRAWING NO. CV-R1121-R99
SCALE AS SHOWN
SHEET NO.

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DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

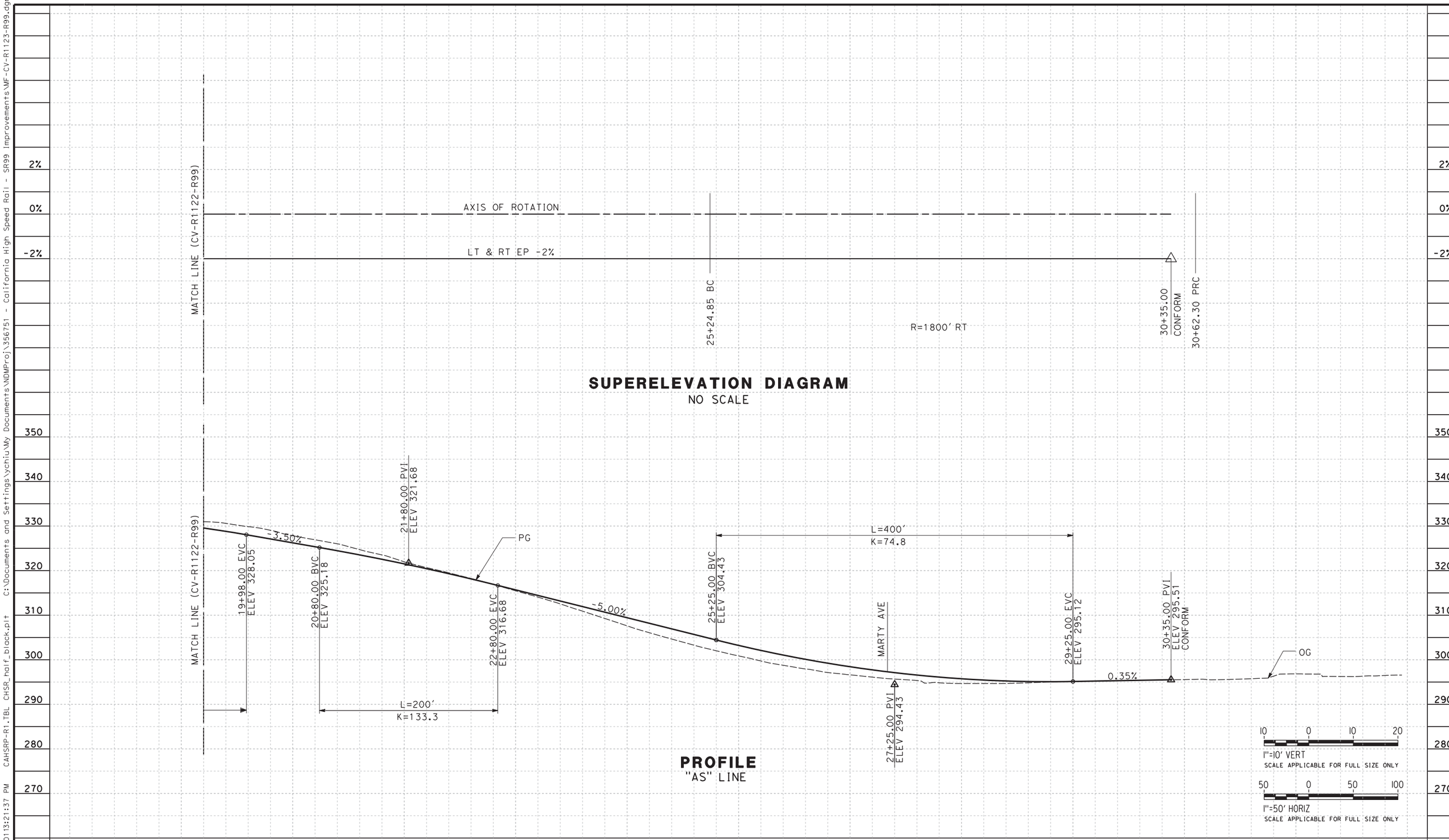
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - ASHLAN AVE "AS"

CONTRACT NO.
DRAWING NO. CV-R1122-R99
SCALE AS SHOWN
SHEET NO.

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## SUPERELEVATION DIAGRAM
NO SCALE

## PROFILE
"AS" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

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CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

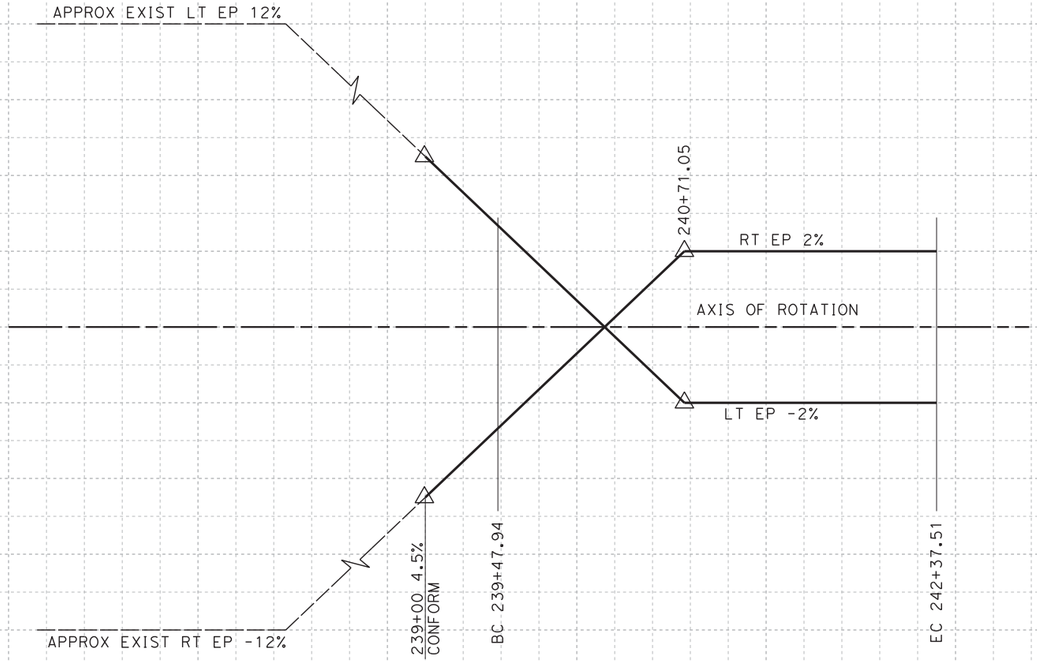
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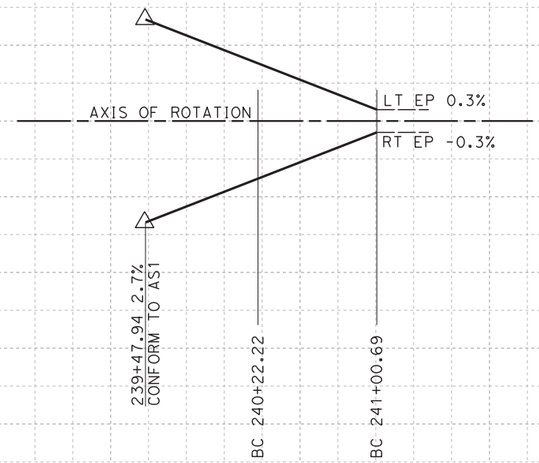
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - ASHLAN AVE "AS"

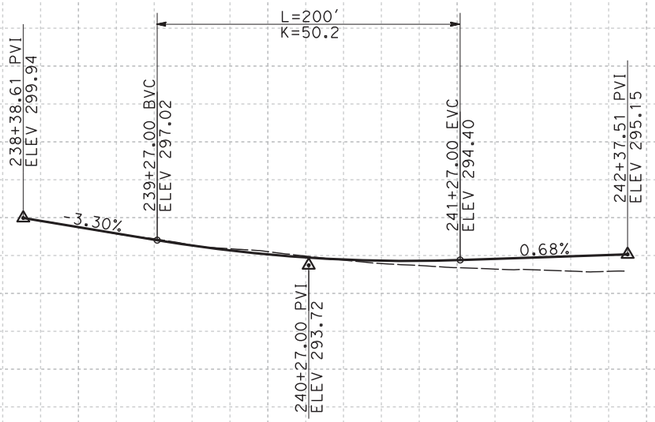
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DRAWING NO. CV-R1123-R99
SCALE AS SHOWN
SHEET NO.



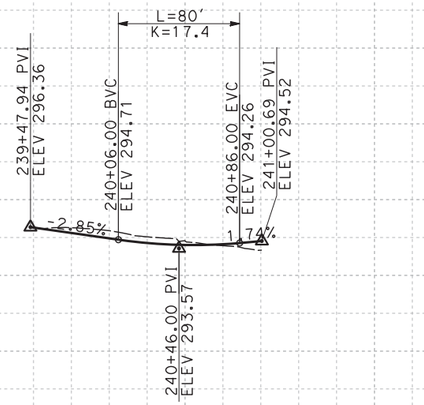

**SUPERELEVATION DIAGRAM**
NO SCALE



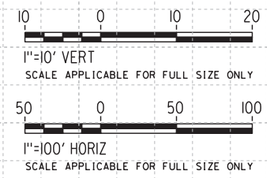

**SUPERELEVATION DIAGRAM**
NO SCALE




**PROFILE**
"AS1" LINE




**PROFILE**
"AS2" LINE




STATION 7 8 9 240+00 1 2 3 8 9 240+00 1 2

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY J. MATSUI-DRURY
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

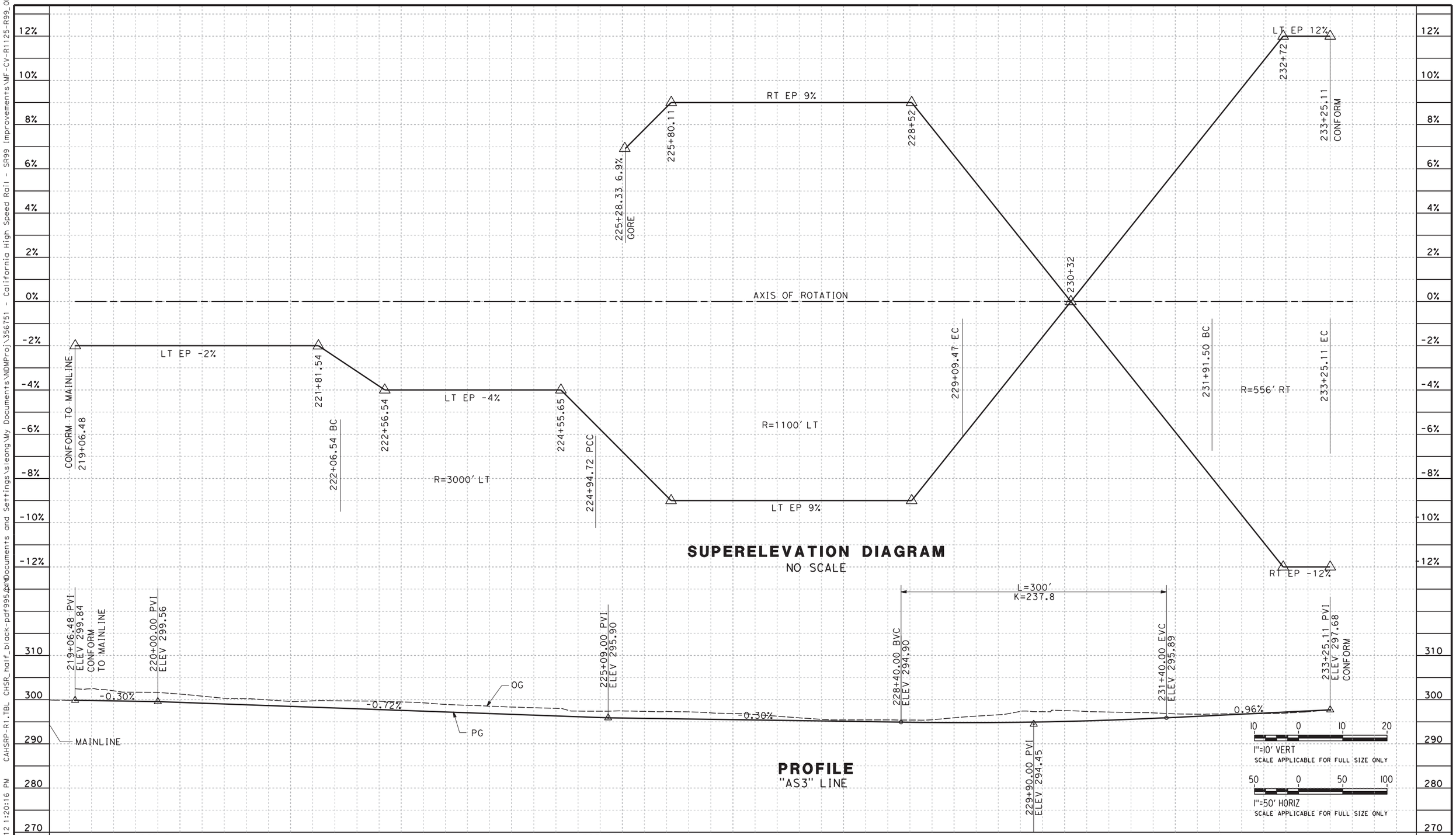
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - RAMP "AS1", "AS2"

CONTRACT NO.
DRAWING NO. CV-R1124-R99
SCALE AS SHOWN
SHEET NO.

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11/16/2011 3:21:40 PM
ychiu

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2/16/2012 1:20:16 PM
sleong




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

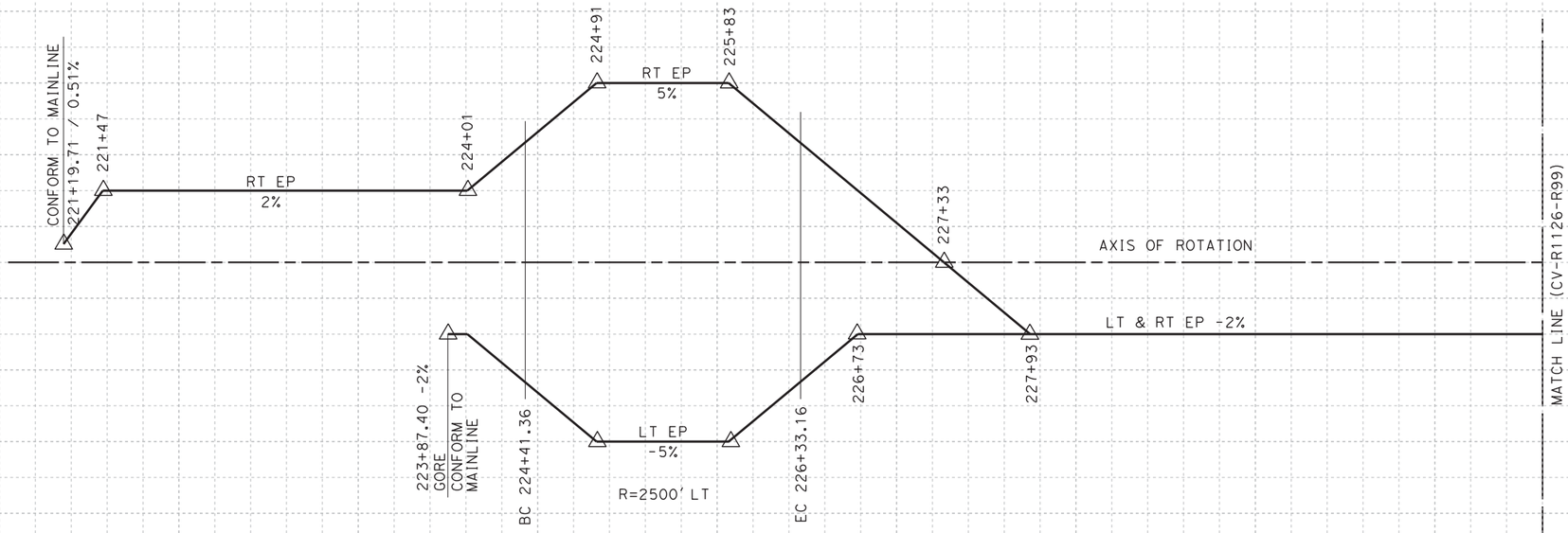
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Sacramento, CA 95811
CH2MHILL

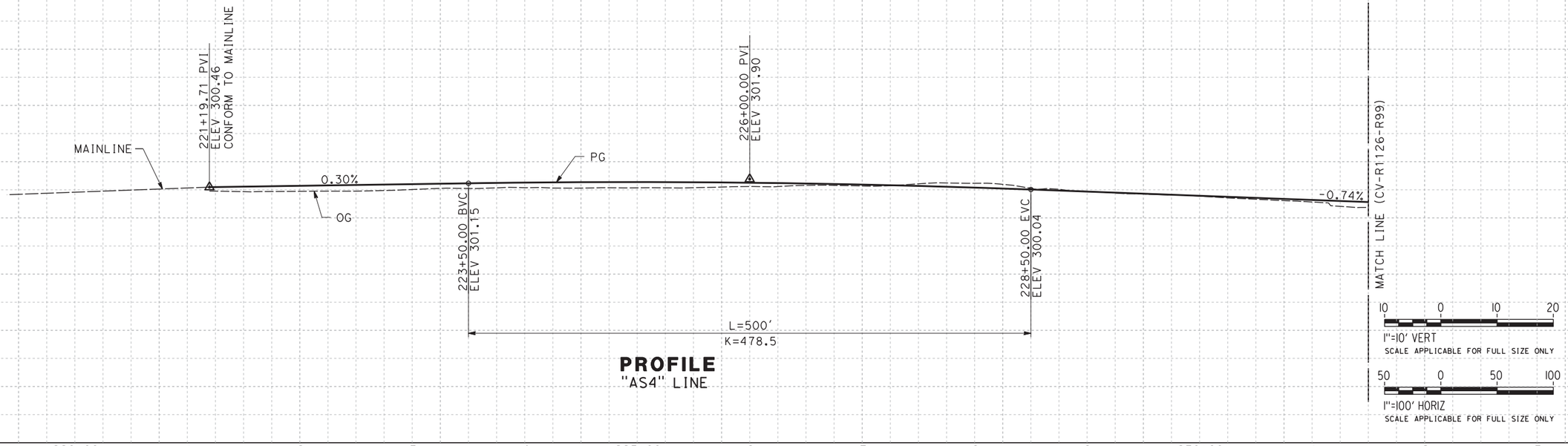
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - RAMP "AS3"

CONTRACT NO.
DRAWING NO. CV-R1125-R99
SCALE AS SHOWN
SHEET NO.




**SUPERELEVATION DIAGRAM**
NO SCALE




**PROFILE**
"AS4" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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Sacramento, CA 95811

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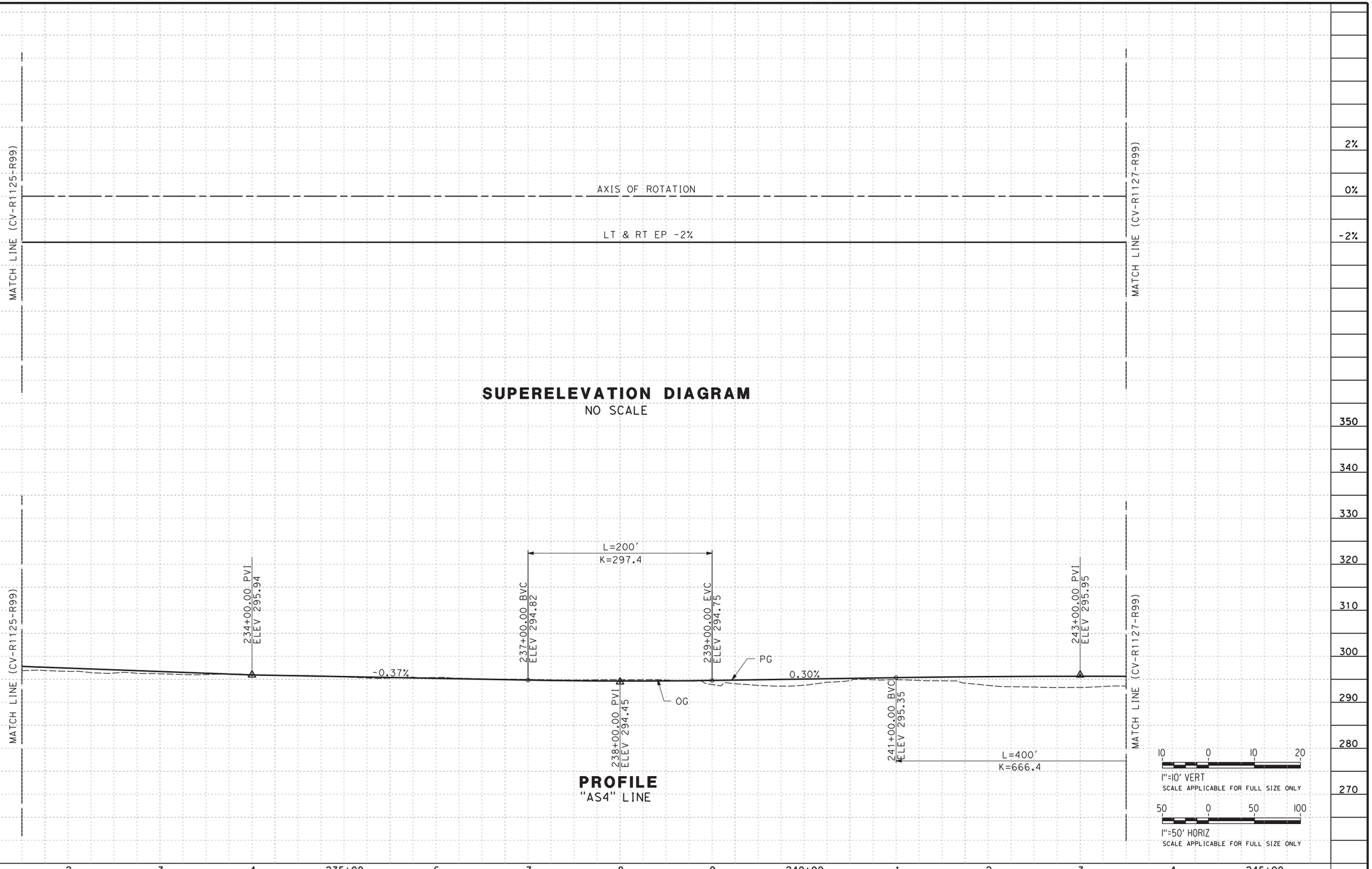
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 -RAMP "AS4"

CONTRACT NO.
DRAWING NO. CV-R1126-R99
SCALE AS SHOWN
SHEET NO.

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**SUPERELEVATION DIAGRAM**
NO SCALE

**PROFILE**
"AS4" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

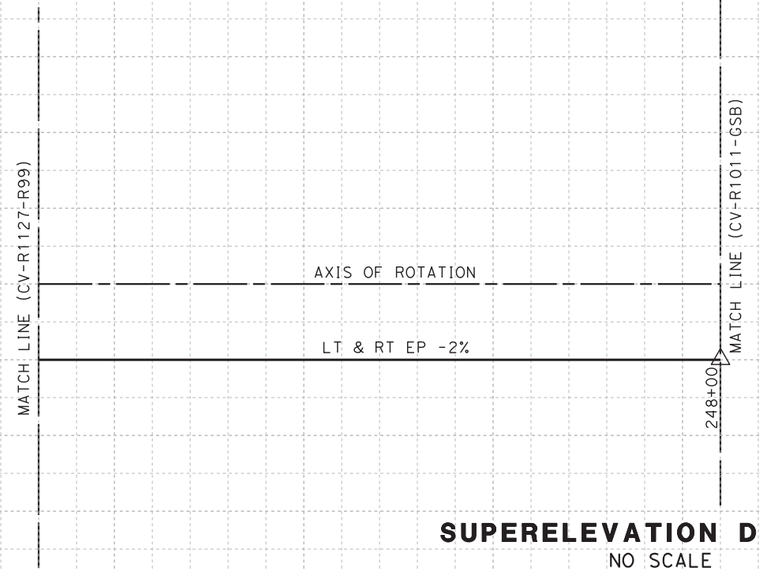
AECOM Technical Services, Inc.
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Sacramento, CA 95811

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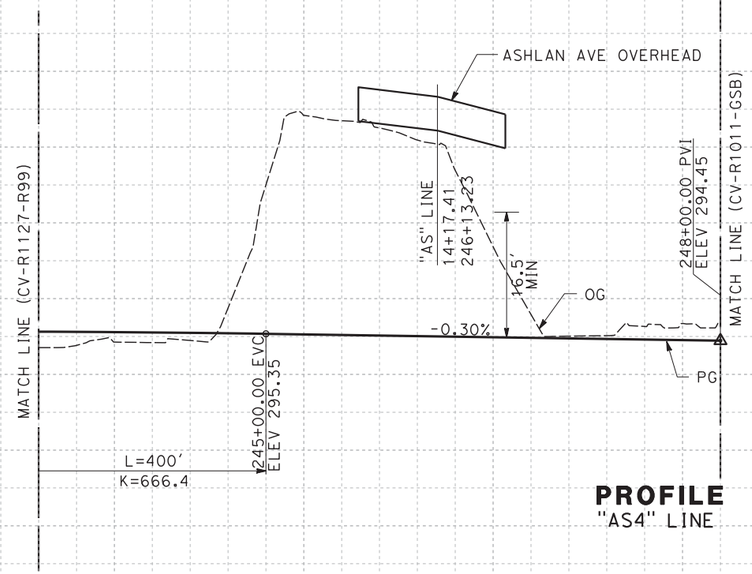
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - RAMP "AS4"

CONTRACT NO.
DRAWING NO. CV-R1127-R99
SCALE AS SHOWN
SHEET NO.




## SUPERELEVATION DIAGRAM
NO SCALE




## PROFILE
"AS4" LINE

I"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

I"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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Sacramento, CA 95811

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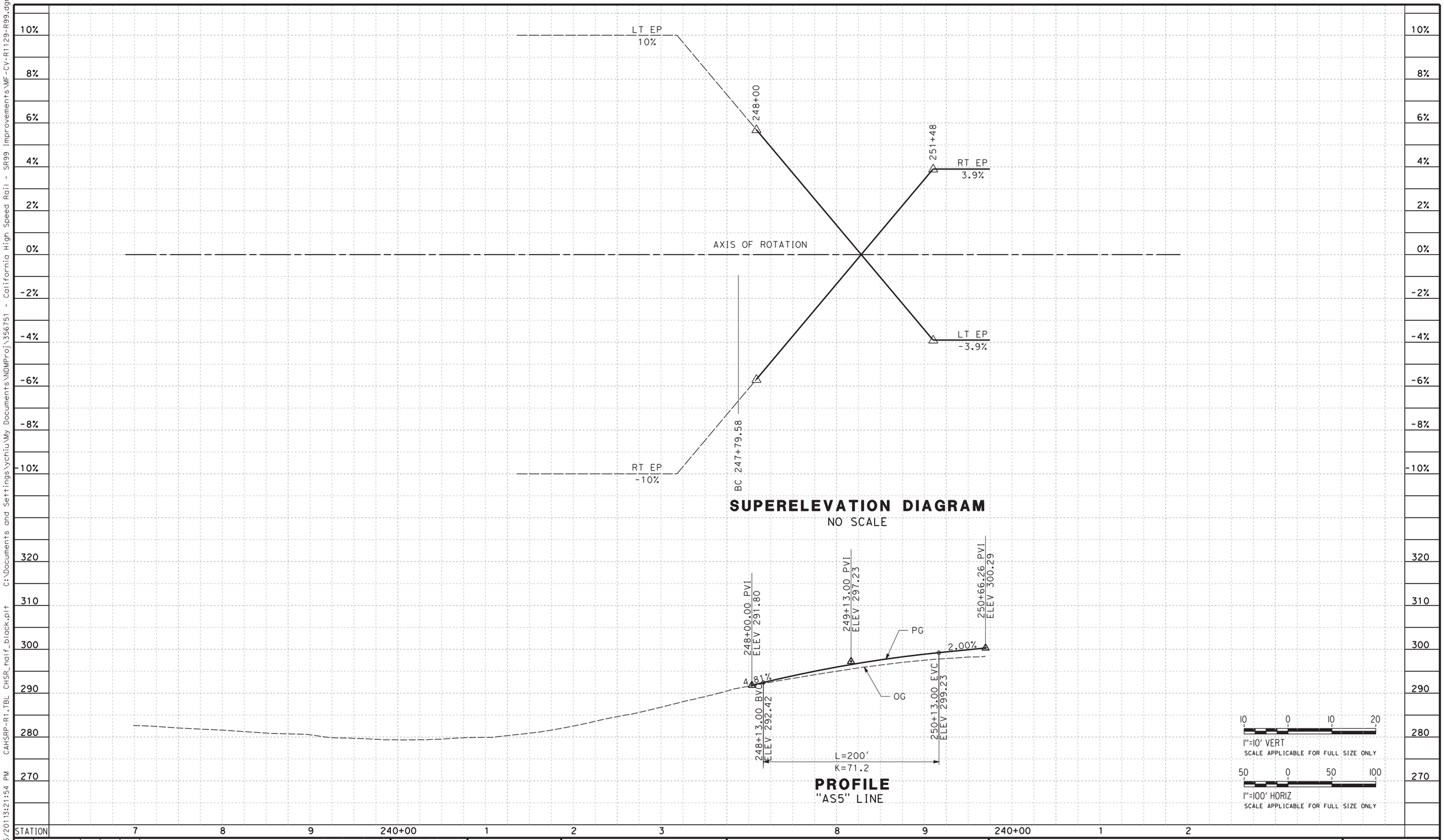
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - RAMP "AS4"

CONTRACT NO.
DRAWING NO. CV-R1128-R99
SCALE AS SHOWN
SHEET NO.

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ychiu




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DRAWN BY B. CHAN
CHECKED BY J. MATSUI-DRURY
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

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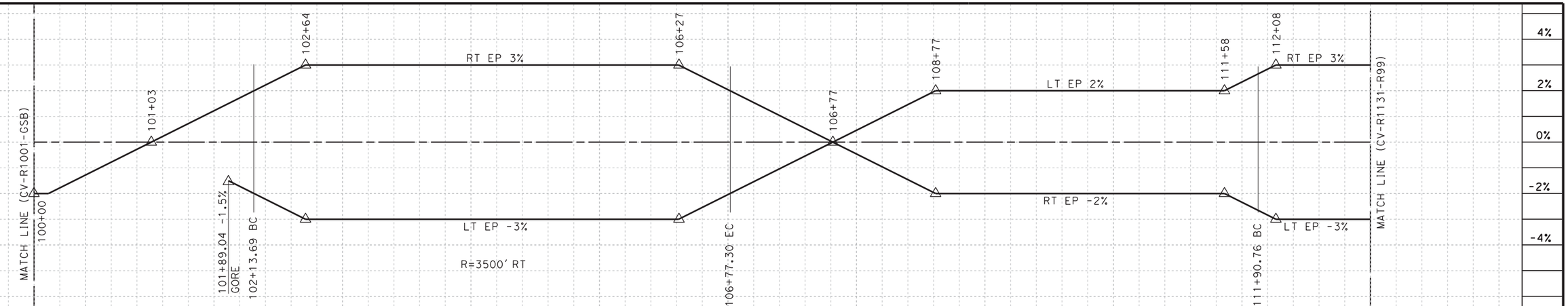
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

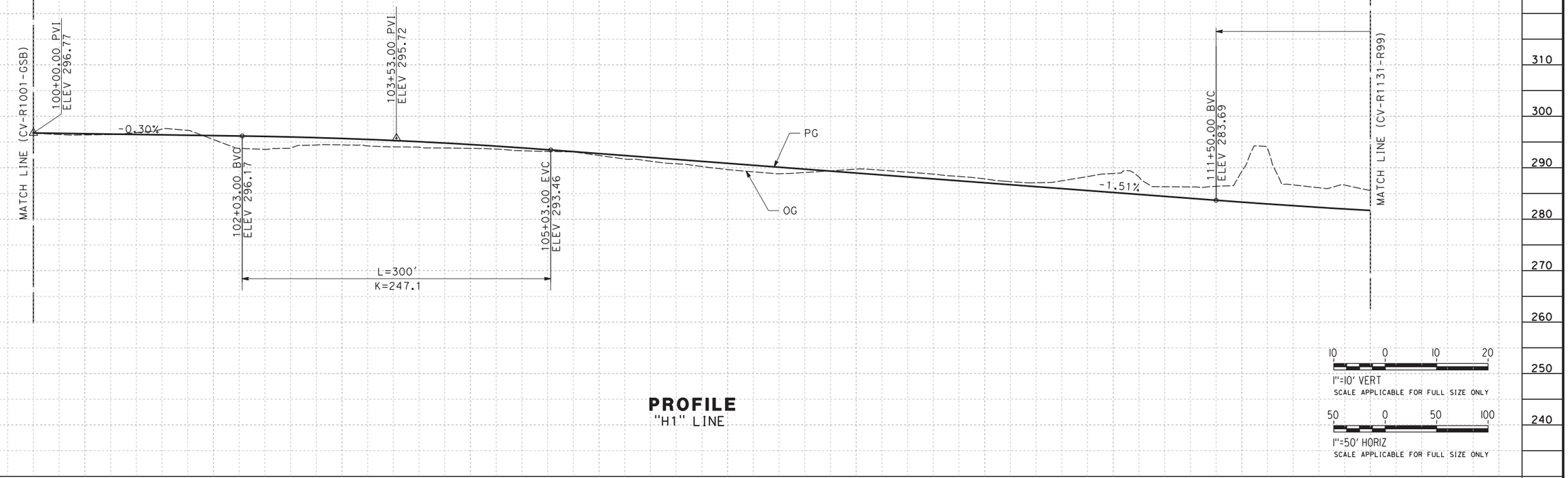
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - RAMP "AS5"

CONTRACT NO.
DRAWING NO. CV-R1129-R99
SCALE AS SHOWN
SHEET NO.

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## SUPERELEVATION DIAGRAM
NO SCALE




## PROFILE
"H1" LINE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

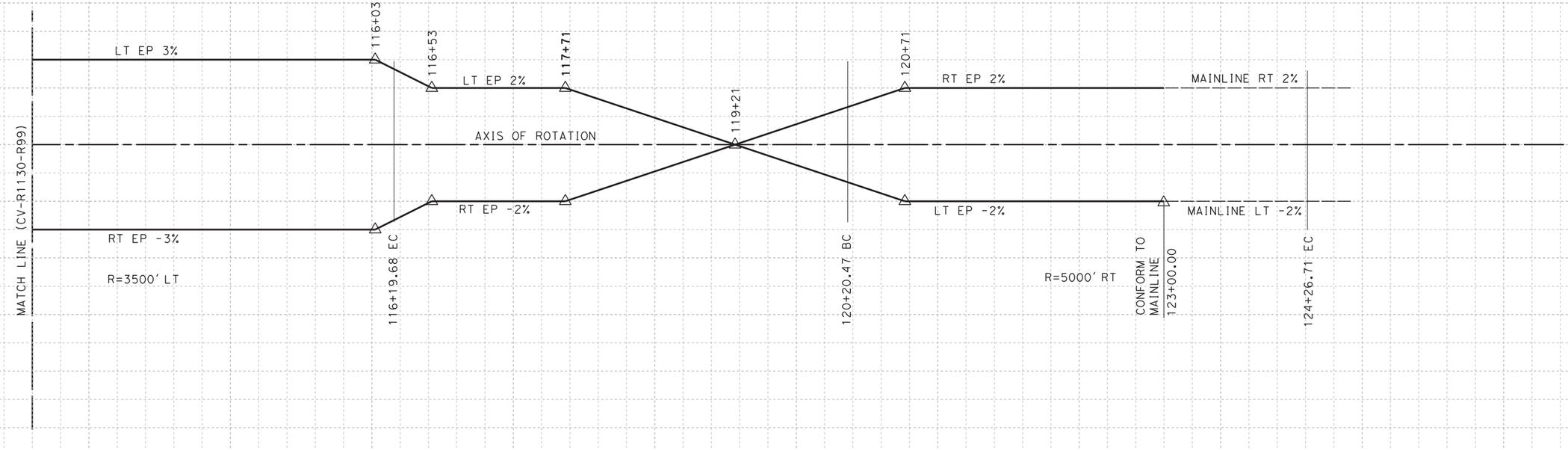
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Sacramento, CA 95811
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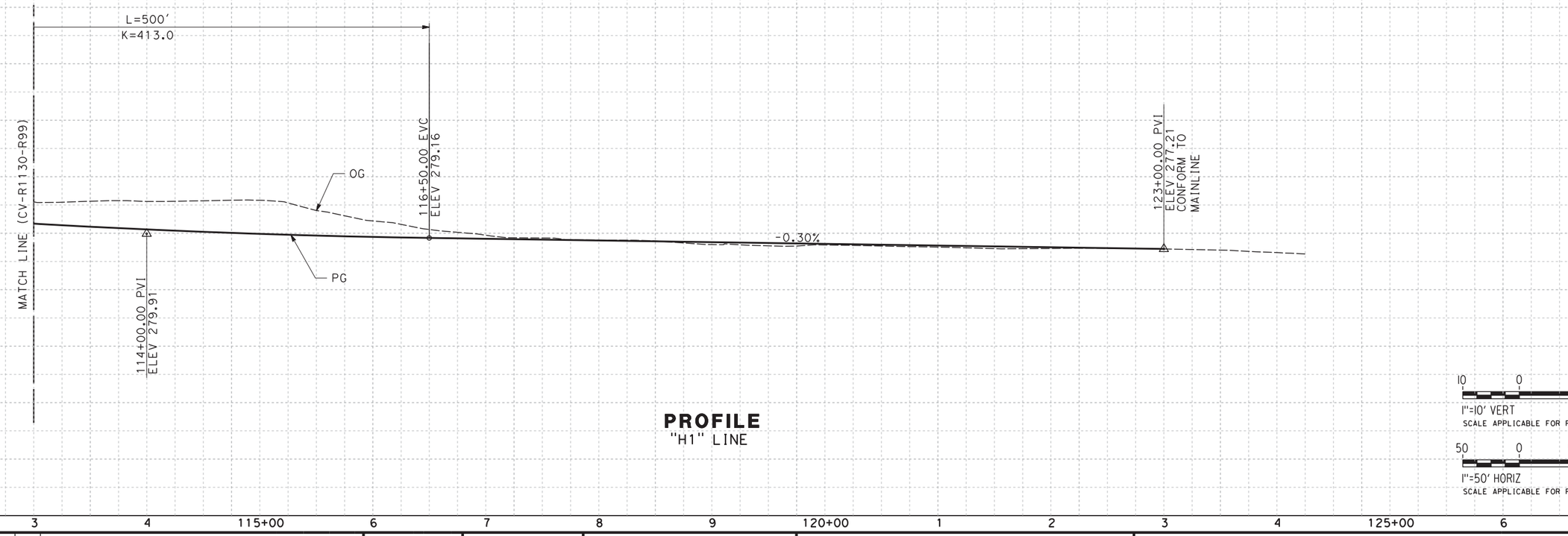
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - RAMP "H1"

CONTRACT NO.
DRAWING NO. CV-R1130-R99
SCALE AS SHOWN
SHEET NO.




## SUPERELEVATION DIAGRAM
NO SCALE




## PROFILE
"H1" LINE

STATION 3 4 115+00 6 7 8 9 120+00 1 2 3 4 125+00 6 7

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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Sacramento, CA 95811
CH2MHILL

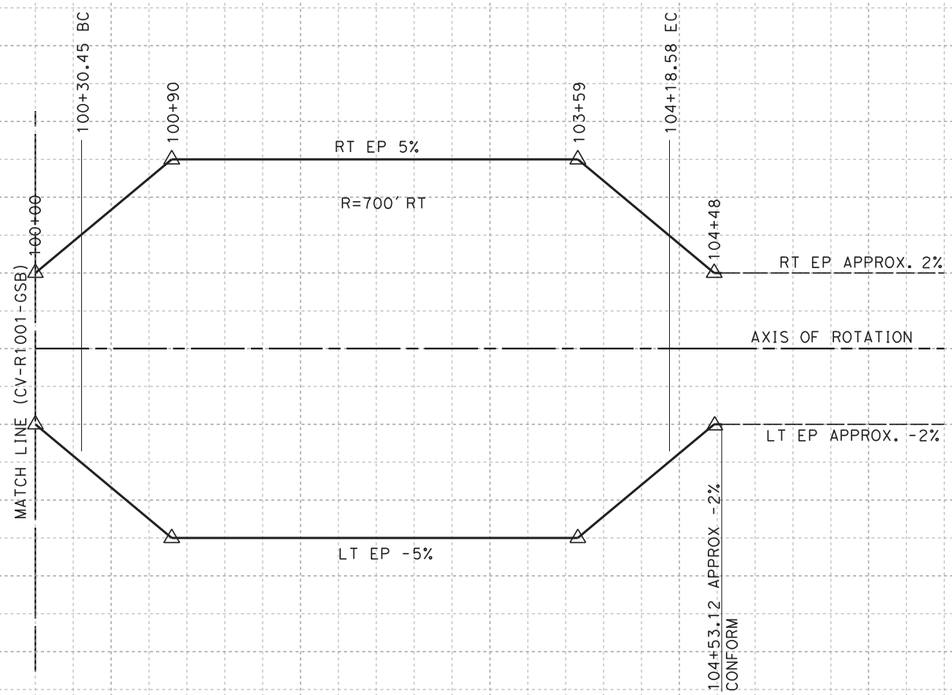
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - RAMP "H1"

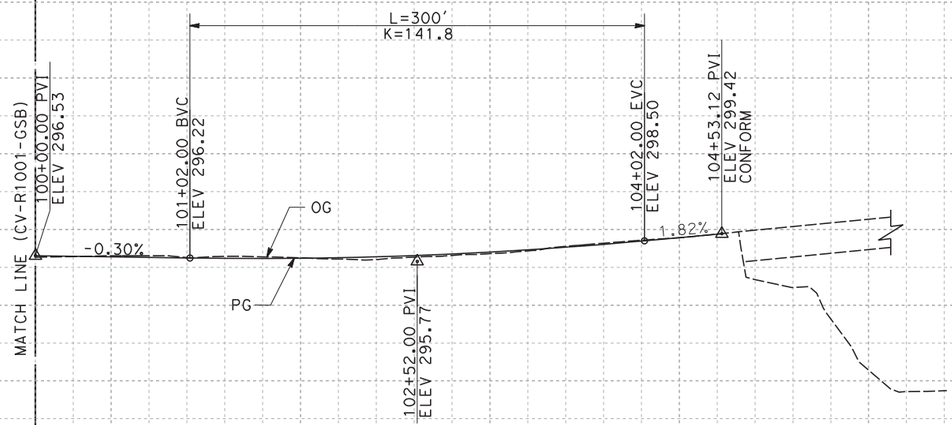
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SCALE AS SHOWN
SHEET NO.

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ychiu

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## SUPERELEVATION DIAGRAM
NO SCALE




## PROFILE
"H2" LINE

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

50 0 50 100
1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

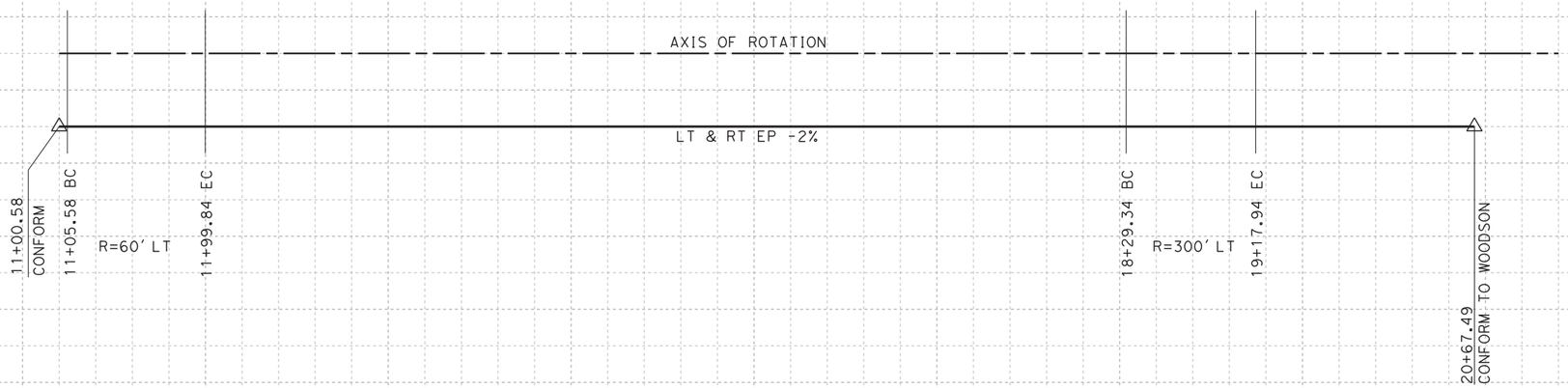
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Sacramento, CA 95811

CH2MHILL

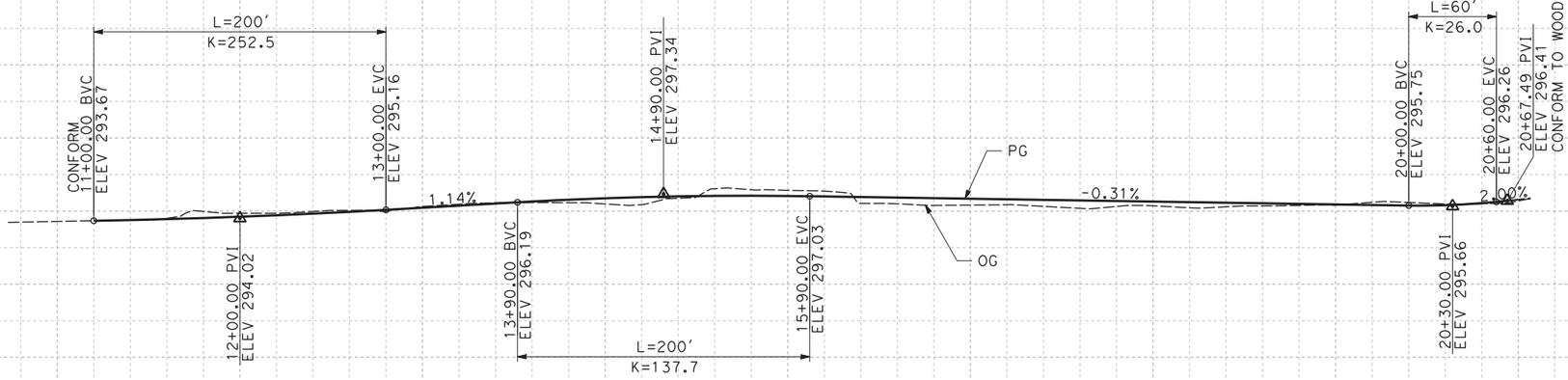
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - RAMP "H2"

CONTRACT NO.
DRAWING NO. CV-R1132-R99
SCALE AS SHOWN
SHEET NO.




## SUPERELEVATION DIAGRAM
NO SCALE




## PROFILE
"P" LINE

10 0 10 20
1"=10' VERT
SCALE APPLICABLE FOR FULL SIZE ONLY

50 0 50 100
1"=50' HORIZ
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

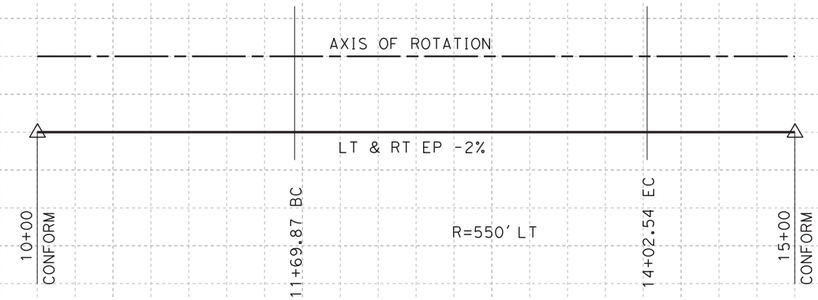
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Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

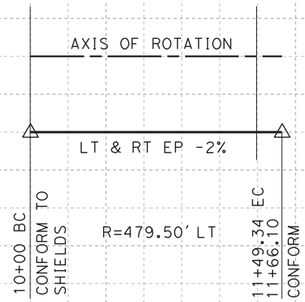
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - PLEASANT AVE "P"

CONTRACT NO.
DRAWING NO. CV-R1133-R99
SCALE AS SHOWN
SHEET NO.

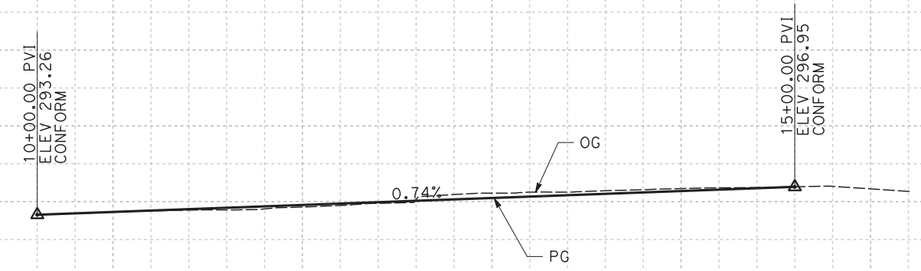
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ychiu CAHSRP-R1.TBL CHSR_half_black.plt



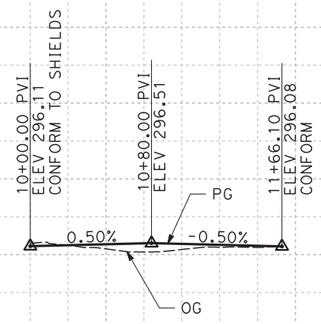

**SUPERELEVATION DIAGRAM**
NO SCALE



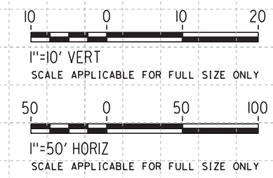

**SUPERELEVATION DIAGRAM**
NO SCALE




**PROFILE**
"S" LINE




**PROFILE**
"SC" LINE




STATION 10+00 1 2 3 4 15+00 6 — 10+00 1 2 3 4

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

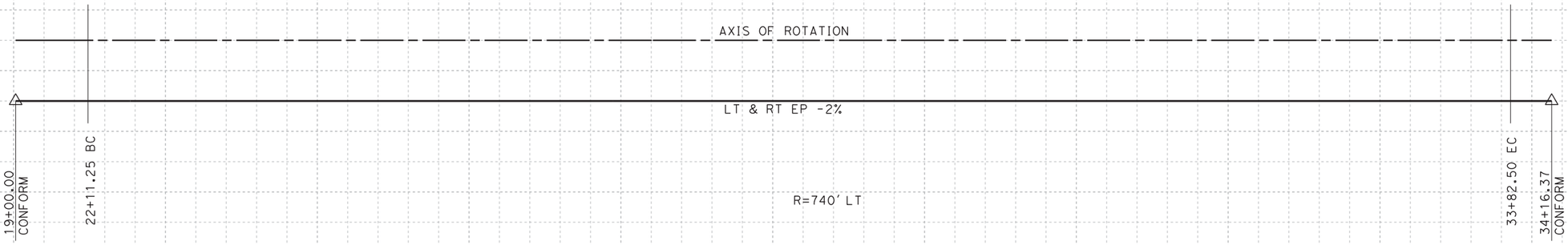
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

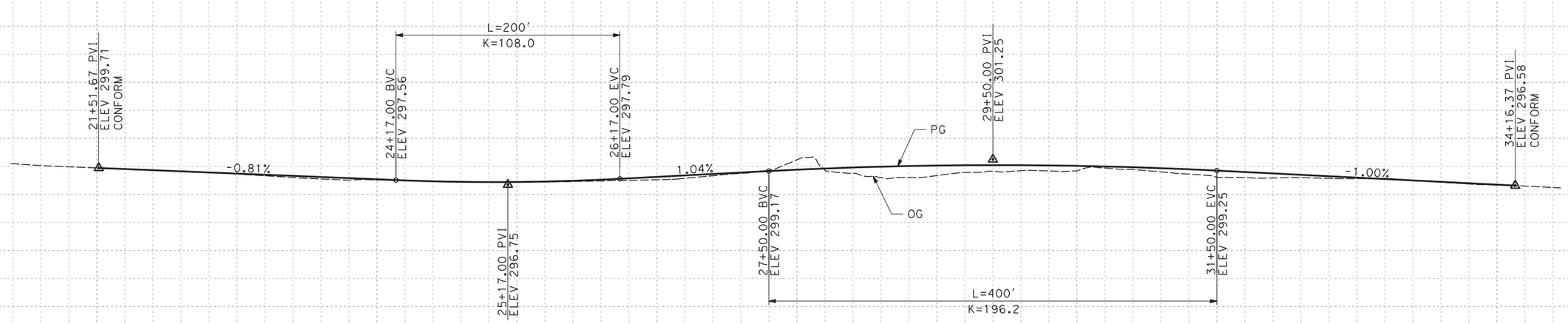
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - SHIELDS AVE "S", "SC"

CONTRACT NO.
DRAWING NO. CV-R1134-R99
SCALE AS SHOWN
SHEET NO.

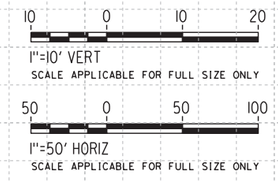
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ychiu




## SUPERELEVATION DIAGRAM
NO SCALE




## PROFILE
"VAL" LINE




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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2020 L Street, Suite 300
Sacramento, CA 95811

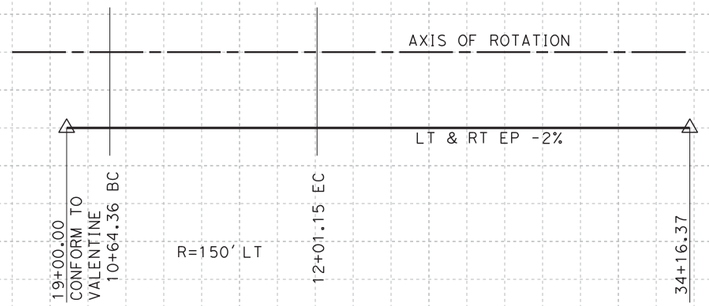
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

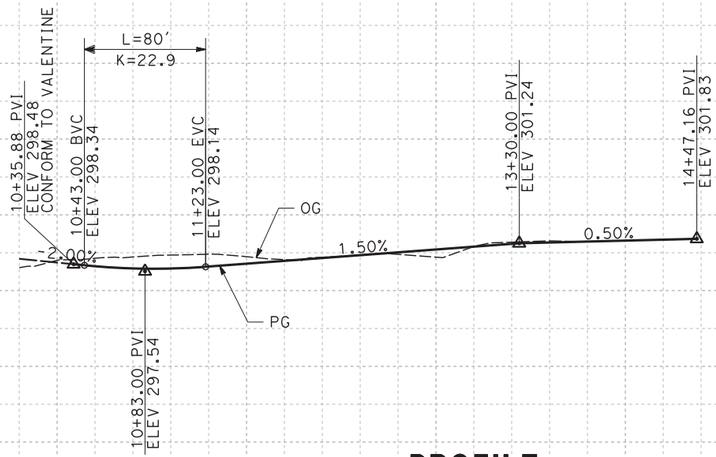
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - VALENTINE AVE "VAL"

CONTRACT NO.
DRAWING NO. CV-R1135-R99
SCALE AS SHOWN
SHEET NO.

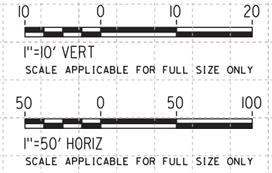
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ychiu CAHSRP-R1.TBL CHSR_half_black.plt




## SUPERELEVATION DIAGRAM
NO SCALE




## PROFILE
"V1" LINE




STATION 6 7 8 9 10+00 1 2 3 4 15+00 6 7 8 9 20+00

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

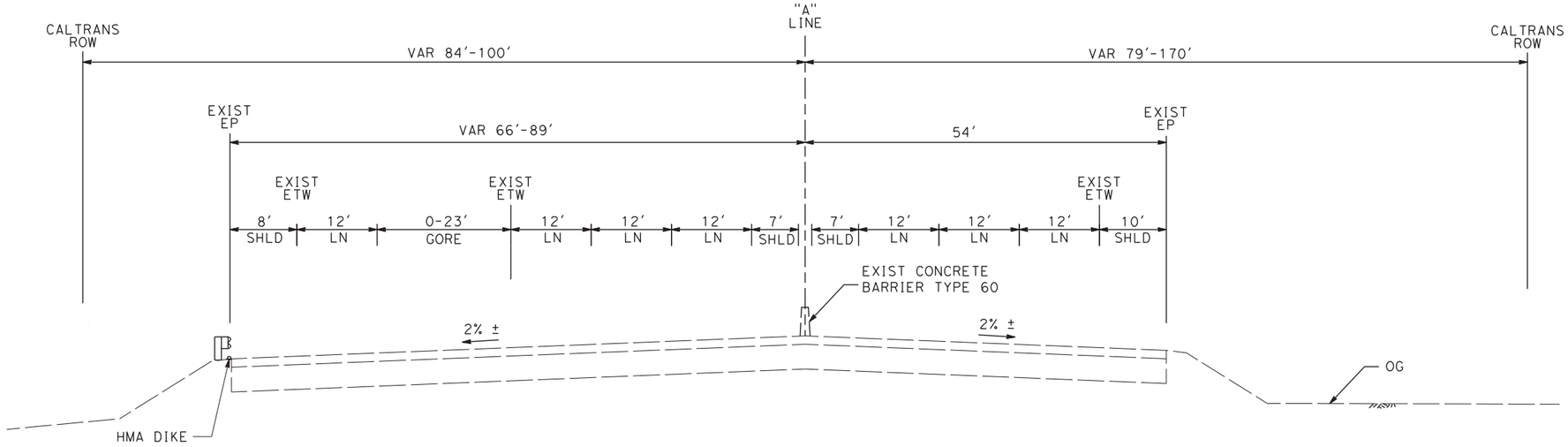
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PROFILE AND SUPERELEVATION
SR 99 - N PARKWAY DR "V1"

CONTRACT NO.
DRAWING NO. CV-R1136-R99
SCALE AS SHOWN
SHEET NO.

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**SB "A" 90+20 TO 92+68**

**NB "A" 90+00 TO 119+55**

## NOTES:

1. DIMENSIONS OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.

2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.

3. SEE DRAINAGE LAYOUT FOR DRAINAGE DETAILS.

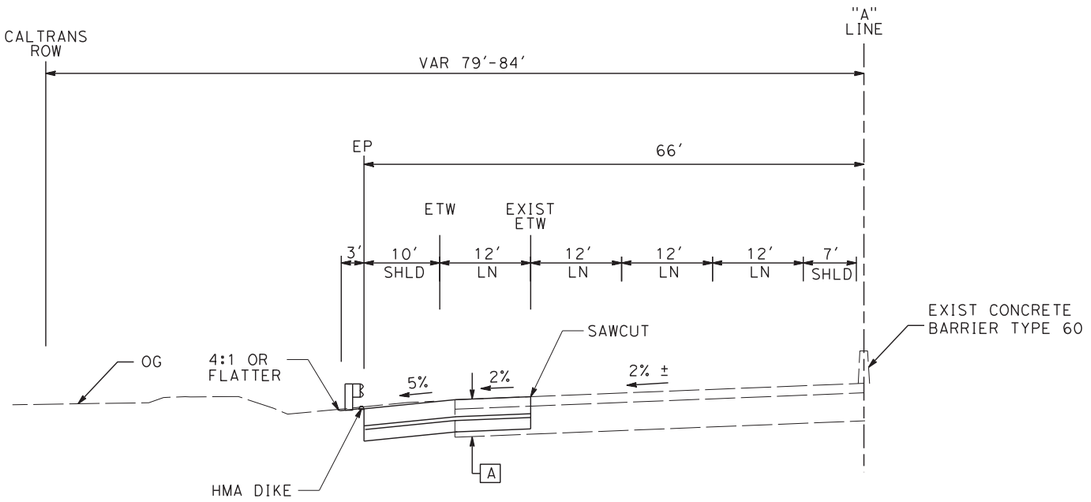
4. SEE TRACK PLAN FOR DETAILS WITHIN HIGH SPEED TRAIN RIGHT OF WAY.

A
- 1.0' CRCP
- 0.25' HMA
- 0.7' AS

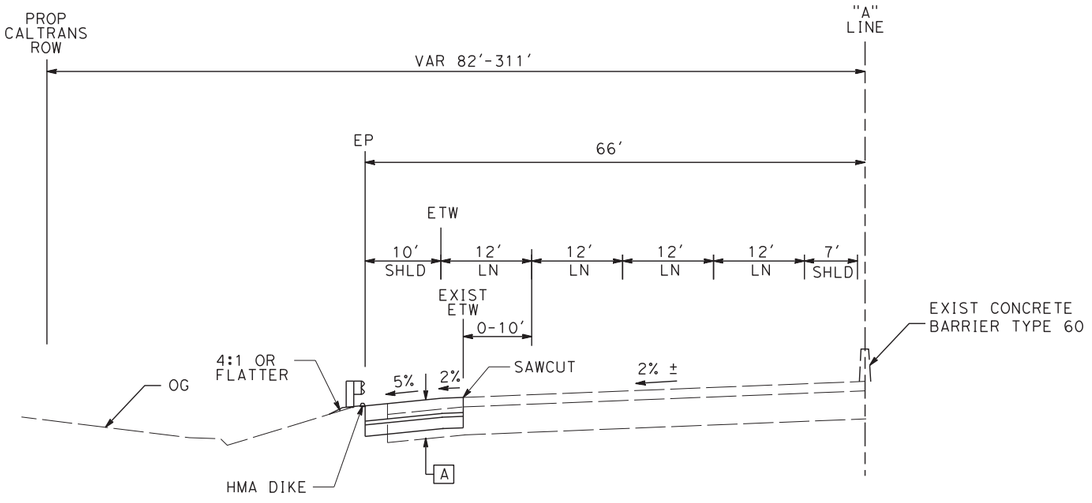
B
- 0.65' HMA
- 0.90' AB
- 0.95' AS

C
- 0.45' HMA
- 1.35' AB

D
- 0.25' HMA
- 0.60' AB




**SB "A" 92+68 TO 98+50**




**SB "A" 98+50 TO 102+40**

**ROUTE 99**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

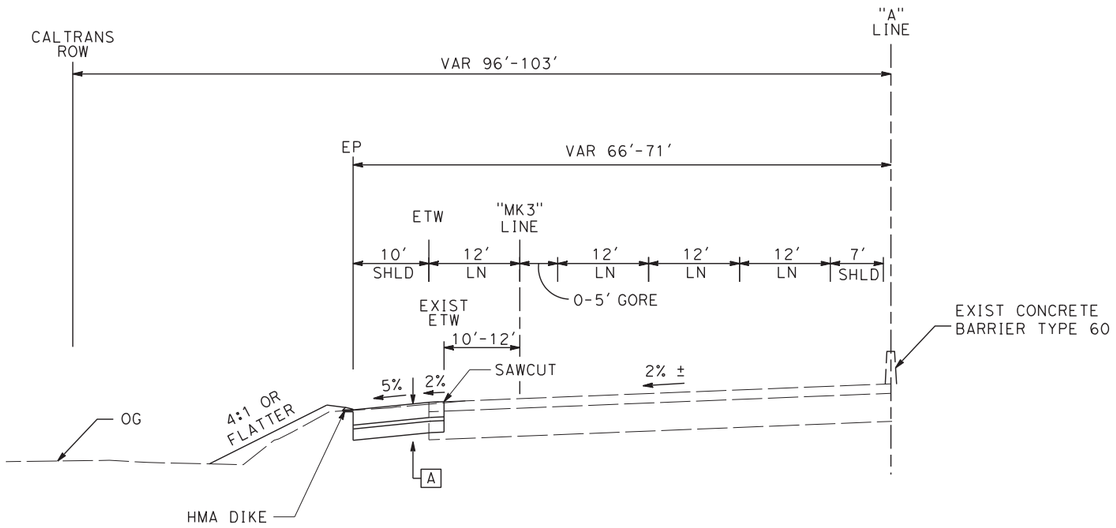
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

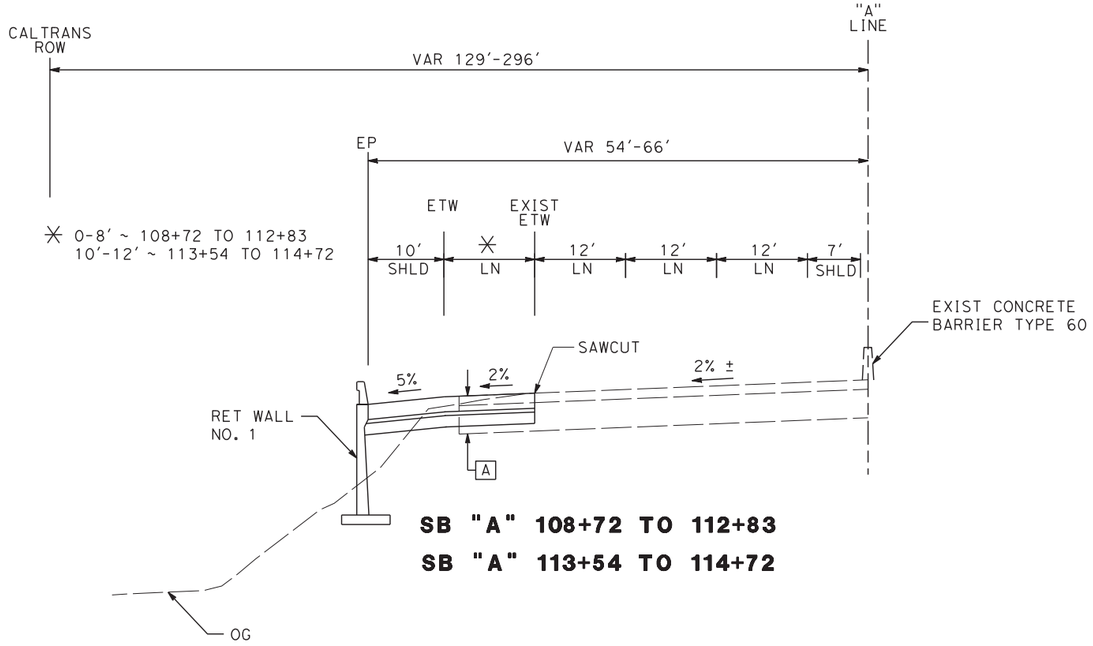
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - HIGHWAY

CONTRACT NO.
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SCALE AS SHOWN
SHEET NO.

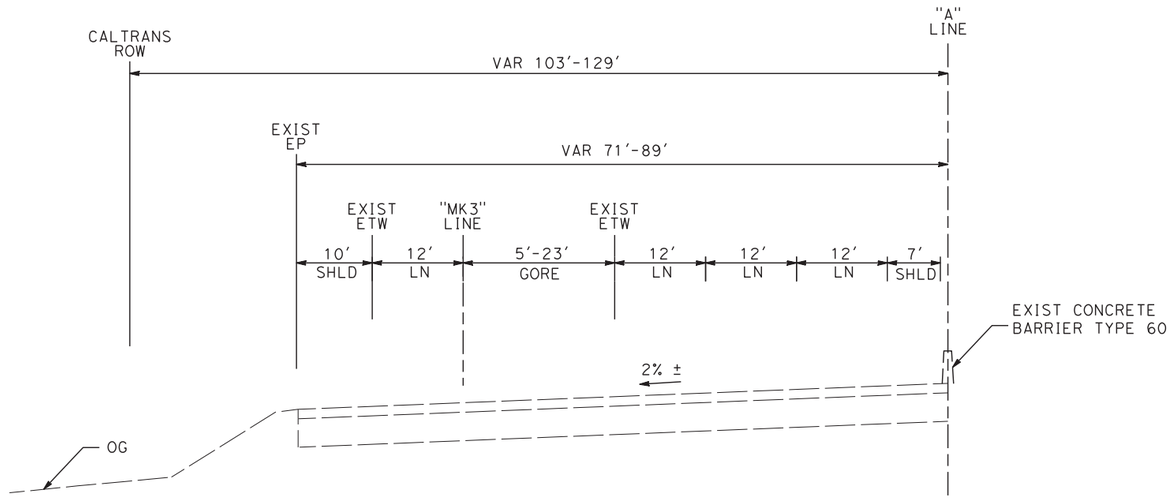
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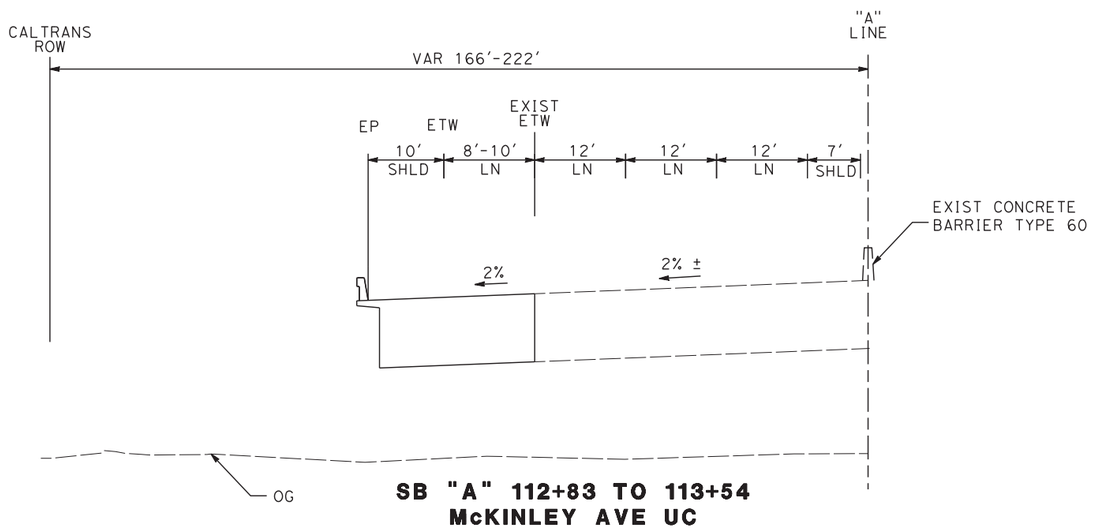

**SB "A" 102+40 TO 104+95**




**SB "A" 108+72 TO 112+83**
**SB "A" 113+54 TO 114+72**




**SB "A" 104+95 TO 108+72**




**SB "A" 112+83 TO 113+54**
**McKINLEY AVE UC**

**ROUTE 99**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

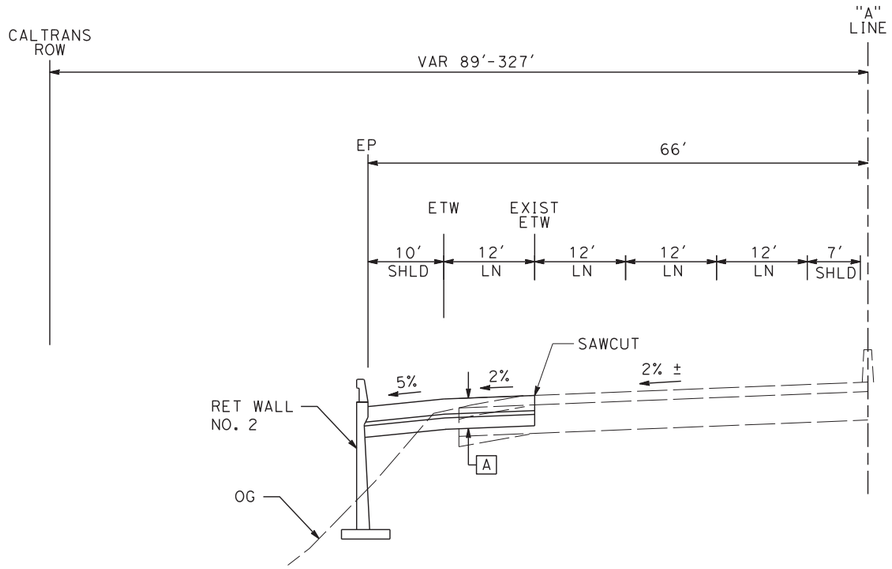
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

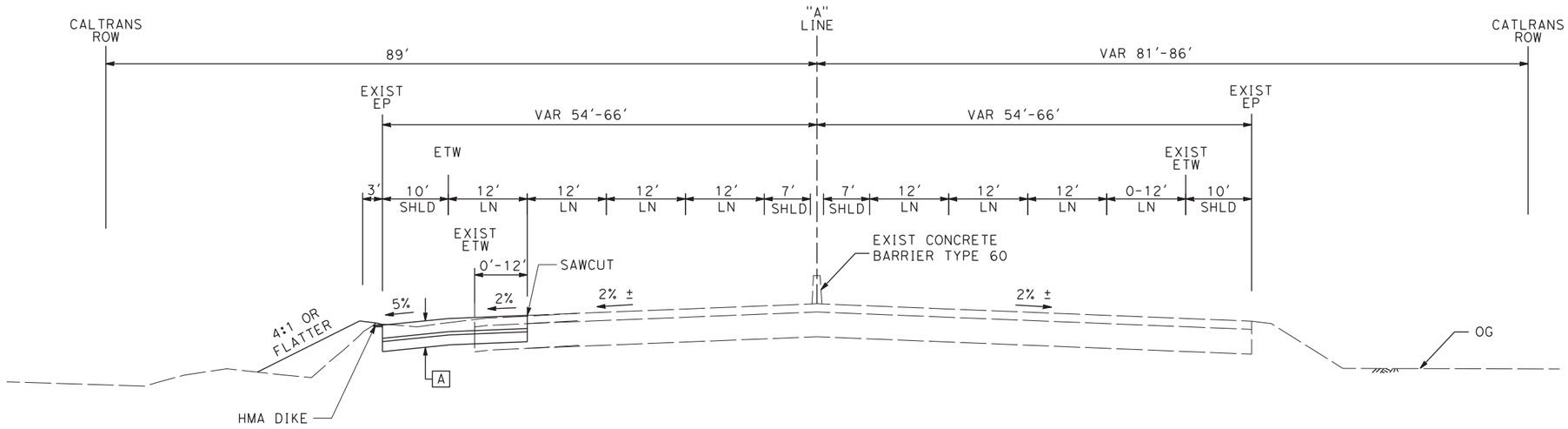
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - HIGHWAY

CONTRACT NO.
DRAWING NO. CV-R0002-R99
SCALE AS SHOWN
SHEET NO.

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**SB "A" 114+72 TO 119+60**




**SB "A" 119+60 TO 123+41** **NB "A" 119+55 TO 123+15**

**ROUTE 99**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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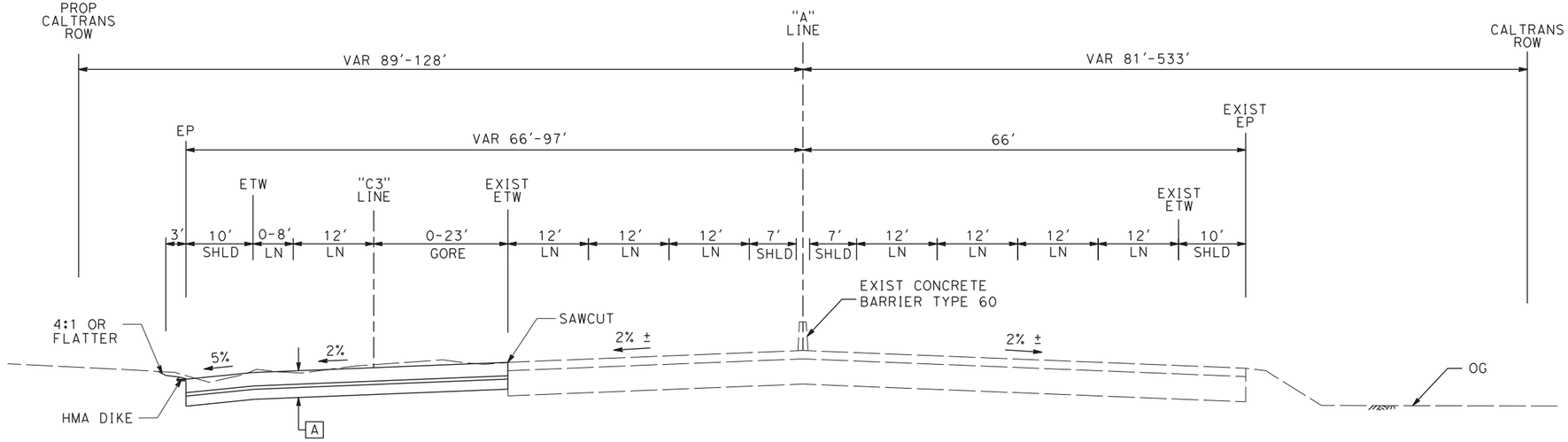
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - HIGHWAY

CONTRACT NO.
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SHEET NO.

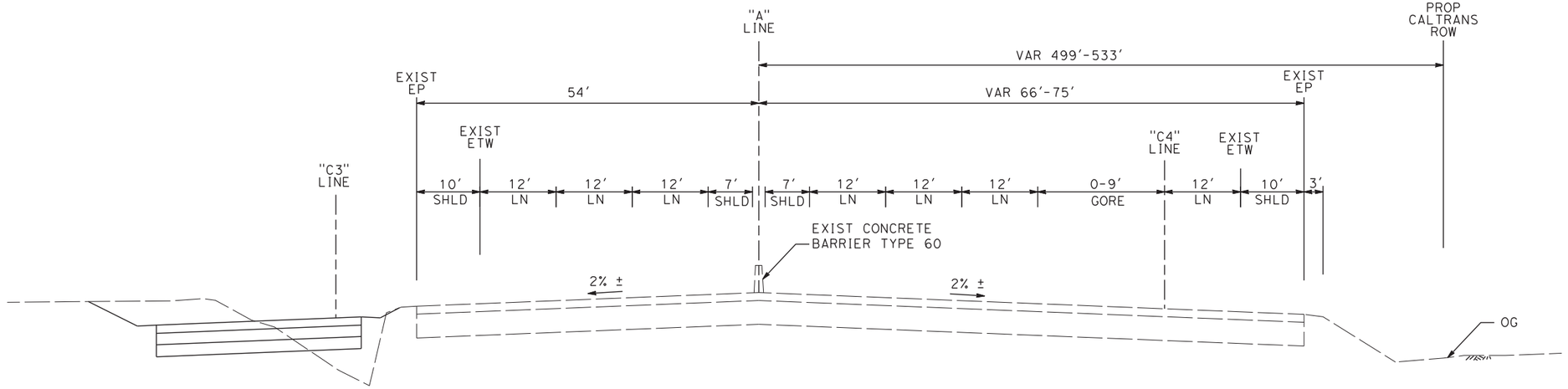
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**SB "A" 123+41 TO 129+32**

**NB "A" 123+15 TO 130+00**




**SB "A" 129+32 to 131+23**

**NB "A" 130+00 TO 131+23**

**ROUTE 99**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

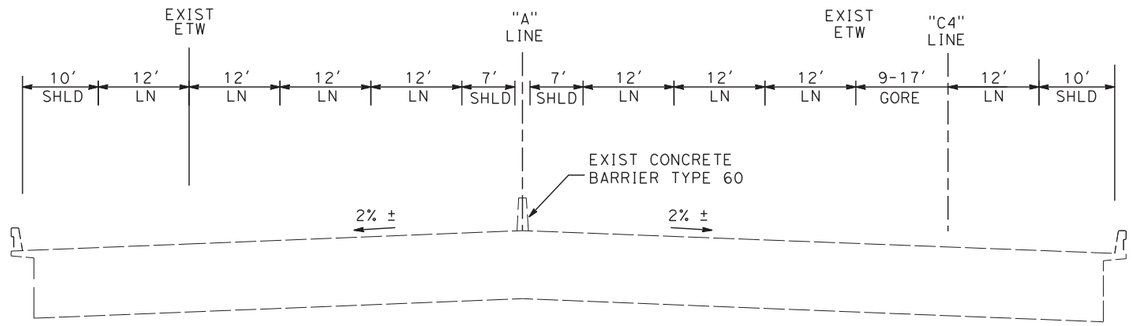
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Sacramento, CA 95811
CH2MHILL

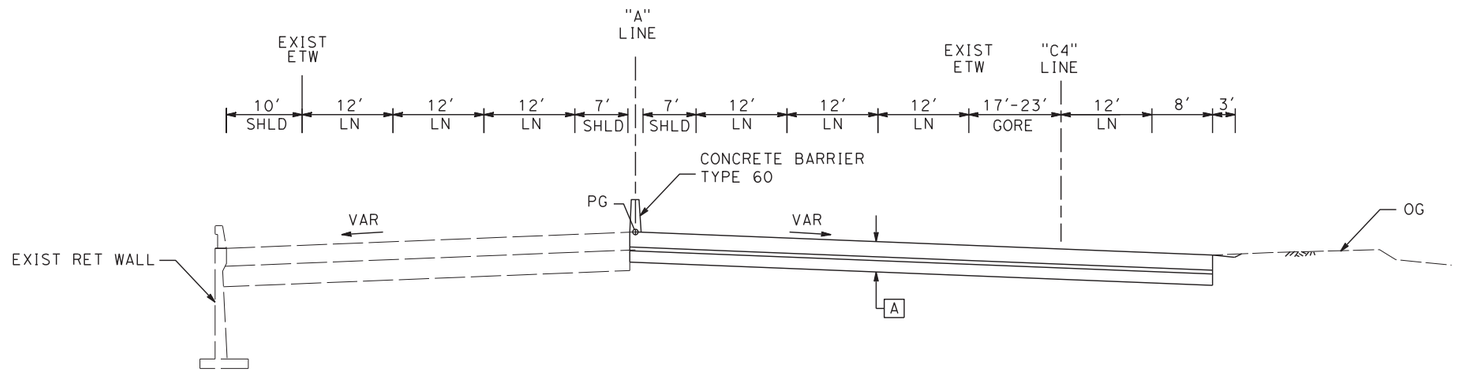
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - HIGHWAY

CONTRACT NO.
DRAWING NO. CV-R0004-R99
SCALE AS SHOWN
SHEET NO.




**"A" 131+23 TO 132+00**
**NORTH FRESNO OC**




**SB "A" 132+00 TO 134+00** **NB "A" 132+00 TO 132+69**

**ROUTE 99**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

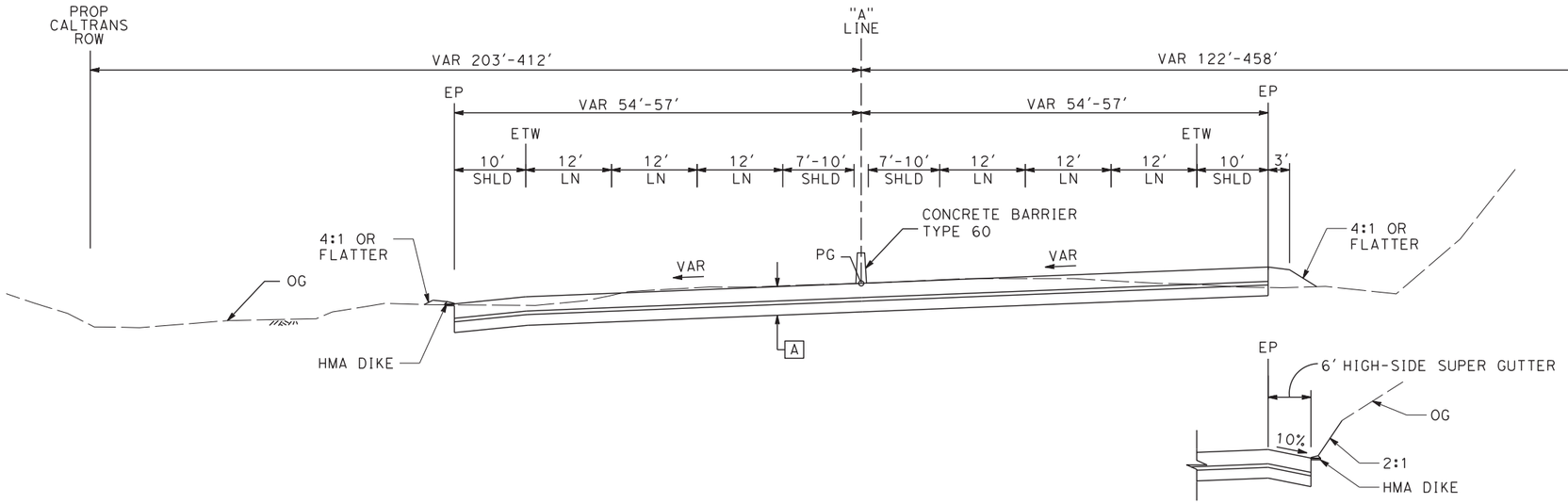
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - HIGHWAY

CONTRACT NO.
DRAWING NO. CV-R0005-R99
SCALE AS SHOWN
SHEET NO.

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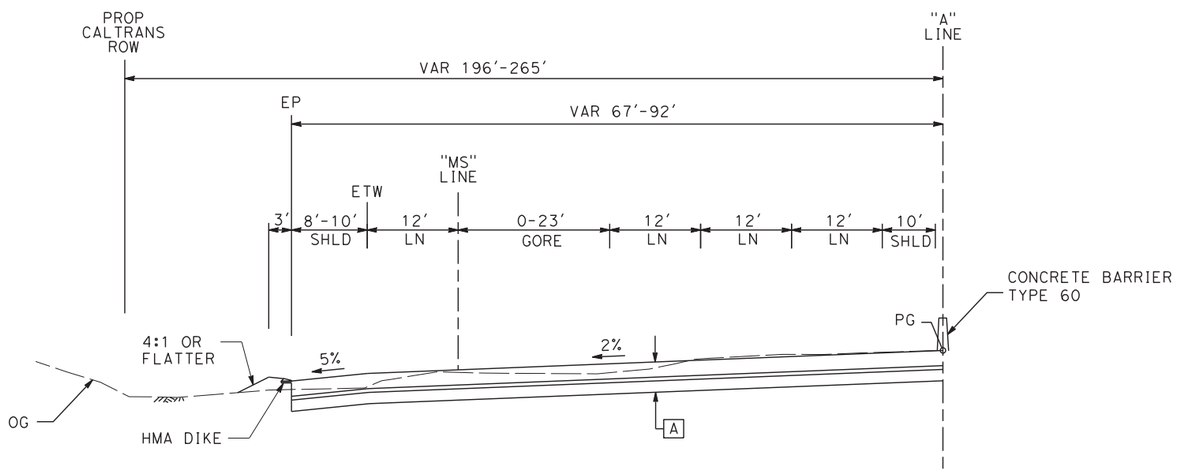




**NB "A" 135+95 TO 148+05**

**SB "A" 134+00 TO 146+00**

**NB "A" 132+69 TO 152+22**




**SB "A" 146+00 TO 148+85**

**ROUTE 99**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

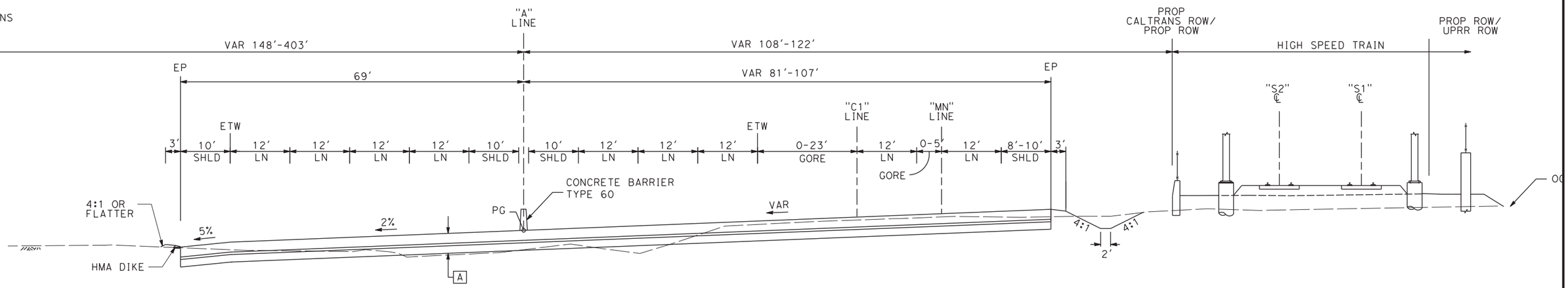
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

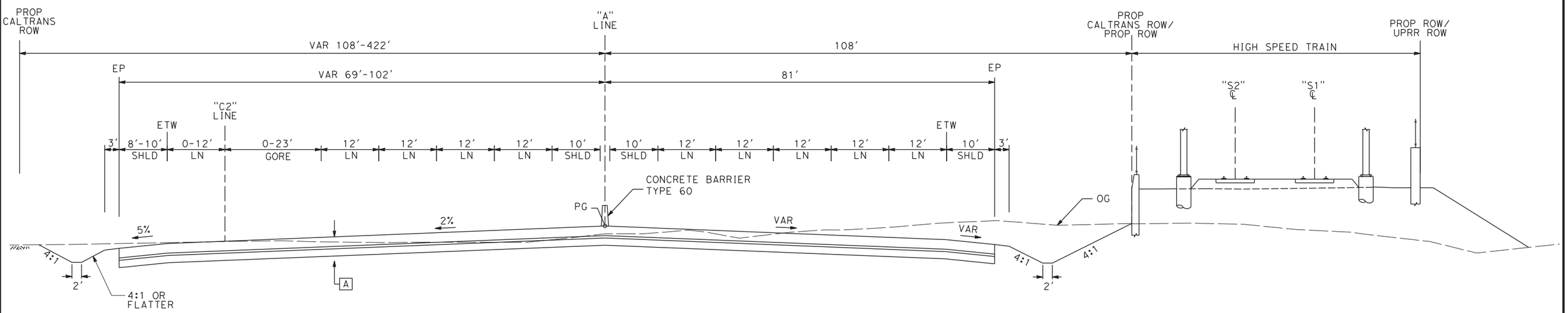
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - HIGHWAY

CONTRACT NO.
DRAWING NO. CV-R0006-R99
SCALE AS SHOWN
SHEET NO.

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**SB "A" 148+85 TO 157+21** **NB "A" 152+22 TO 158+14**




**SB "A" 157+21 TO 161+31** **NB "A" 158+14 TO 168+14**

**ROUTE 99**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

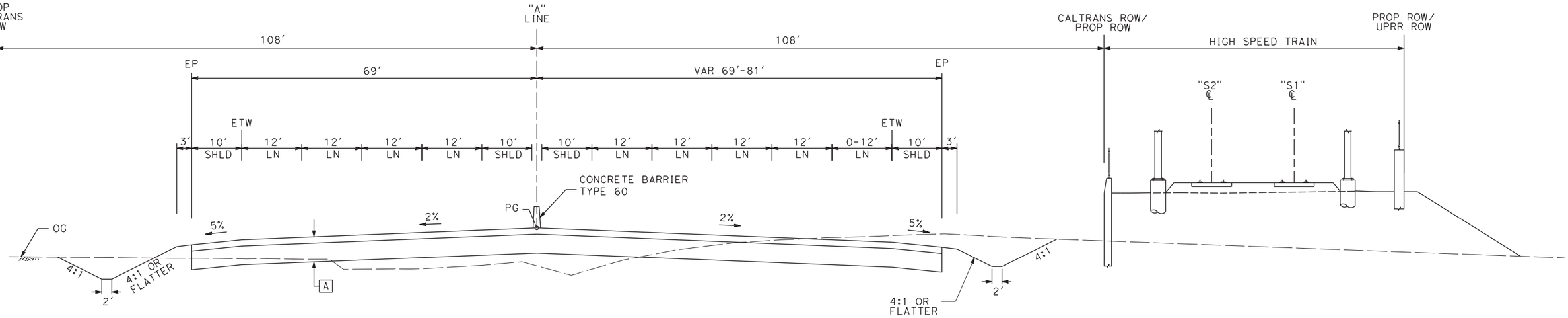
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

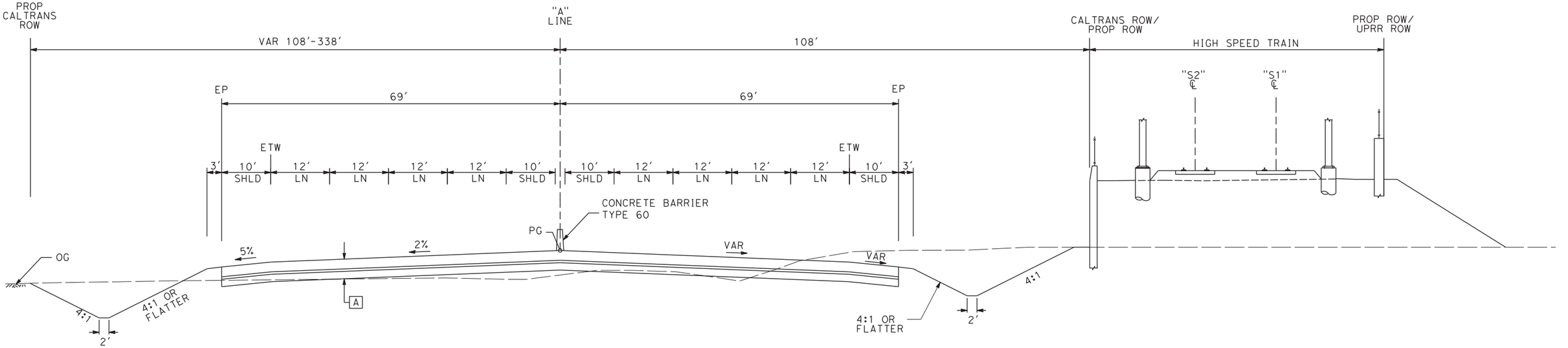
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - HIGHWAY

CONTRACT NO.
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SCALE AS SHOWN
SHEET NO.

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ychiu




**SB "A" 161+31 TO 174+14** **NB "A" 168+14 TO 174+14**




**SB "A" 174+14 TO 219+06** **NB "A" 174+14 TO 221+20**

**ROUTE 99**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

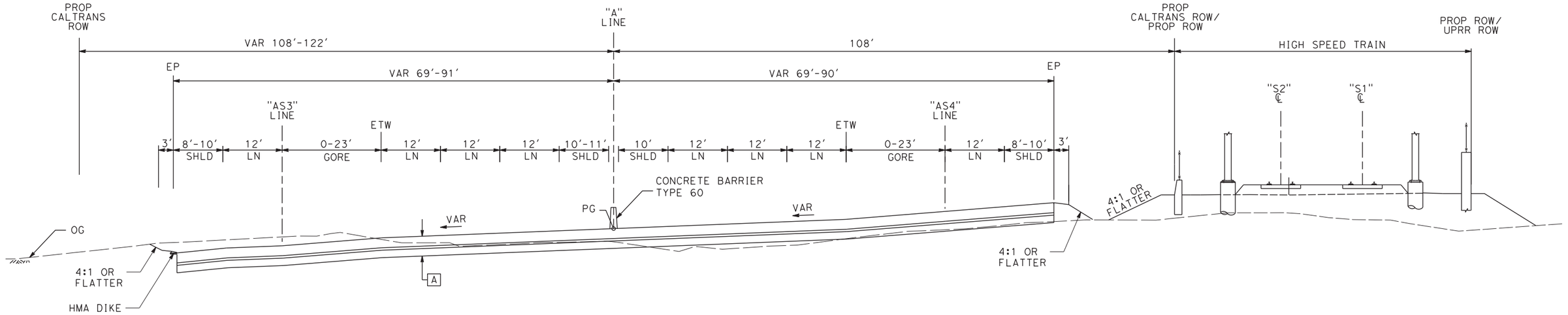
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

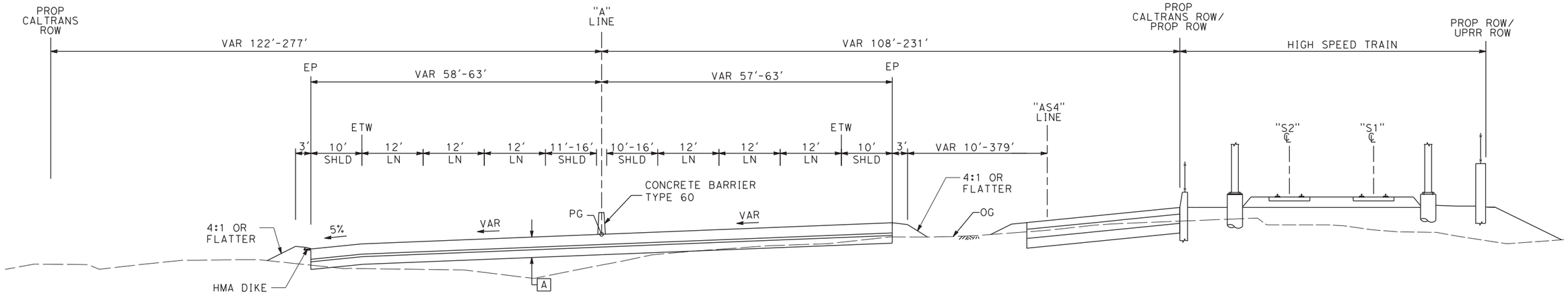
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - HIGHWAY

CONTRACT NO.
DRAWING NO. CV-R0008-R99
SCALE AS SHOWN
SHEET NO.

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ychiu CAHSRP-R1.TBL CHSR_half_black.plt




**SB "A" 219+06 TO 225+38** **NB "A" 221+20 TO 223+86**




**SB "A" 225+38 TO 237+30** **NB "A" 223+86 TO 237+30**

**ROUTE 99**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

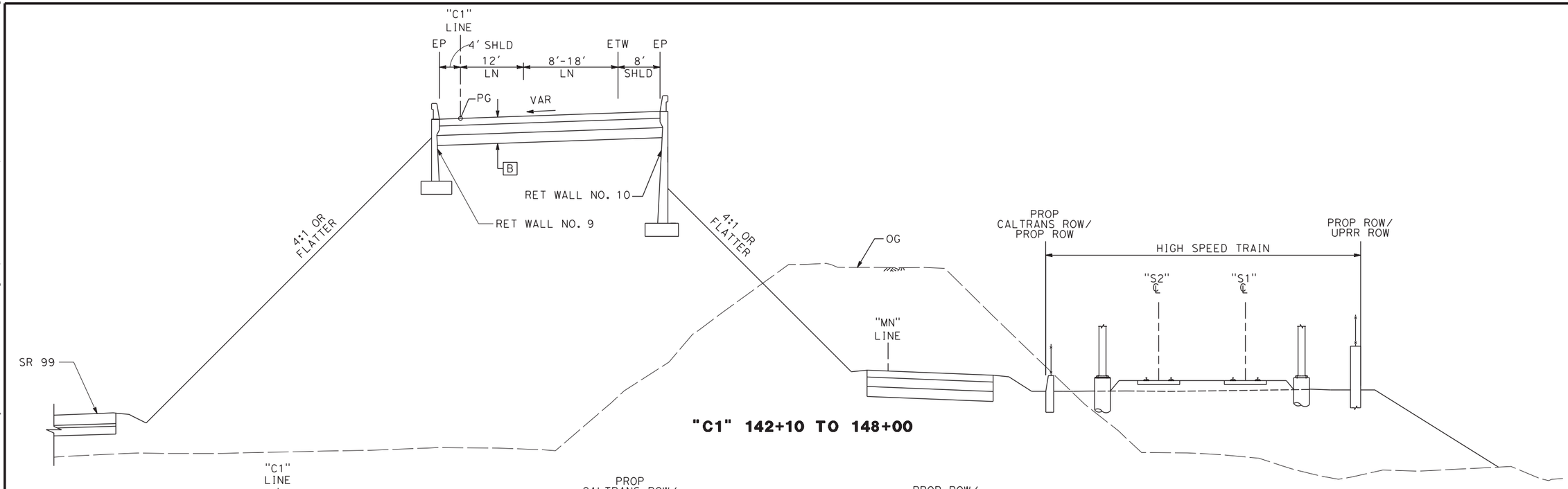
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

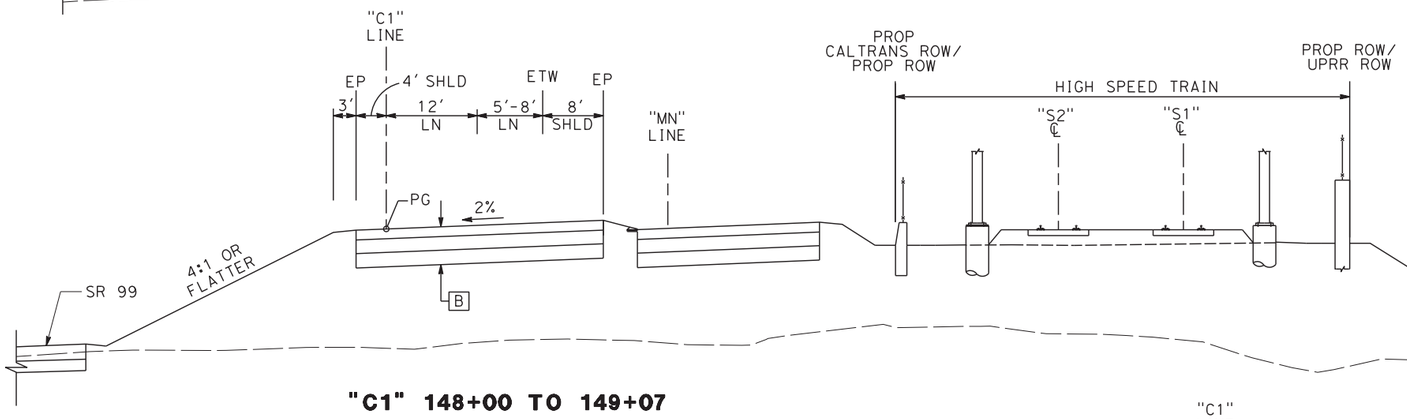
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - HIGHWAY

CONTRACT NO.
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SCALE AS SHOWN
SHEET NO.

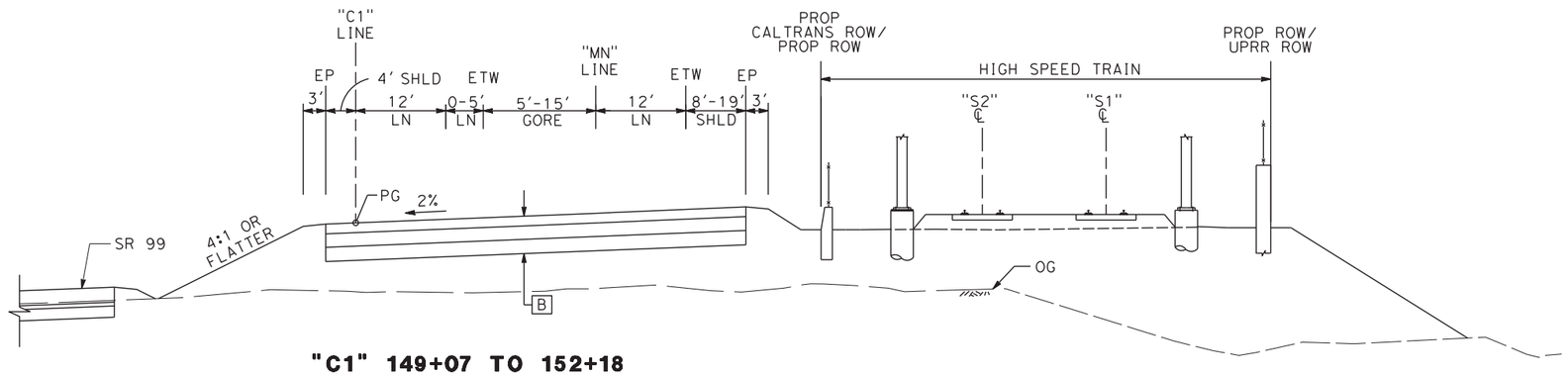
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ychiu




**"C1" 142+10 TO 148+00**




**"C1" 148+00 TO 149+07**




**"C1" 149+07 TO 152+18**

**C1 LINE**
**NB ON RAMP AT W CLINTON AVE**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

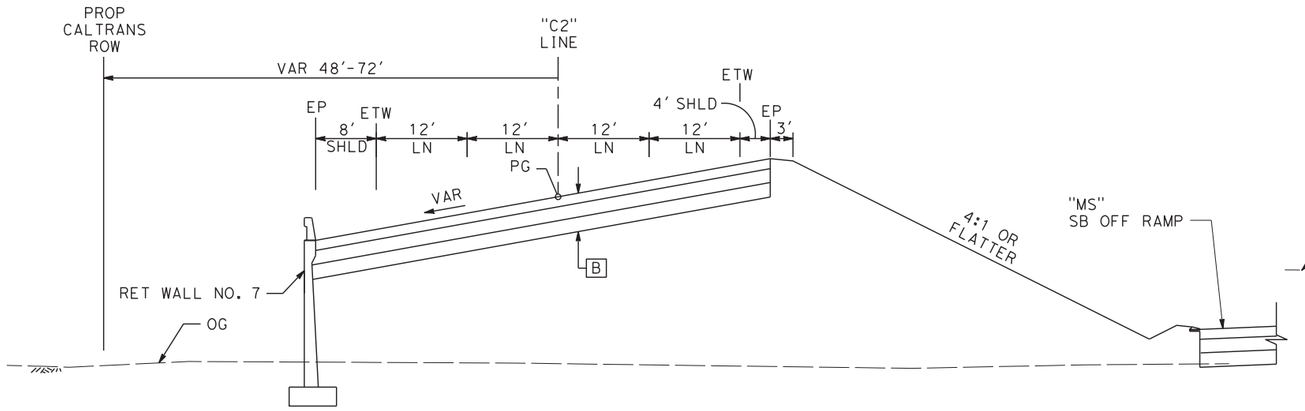
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

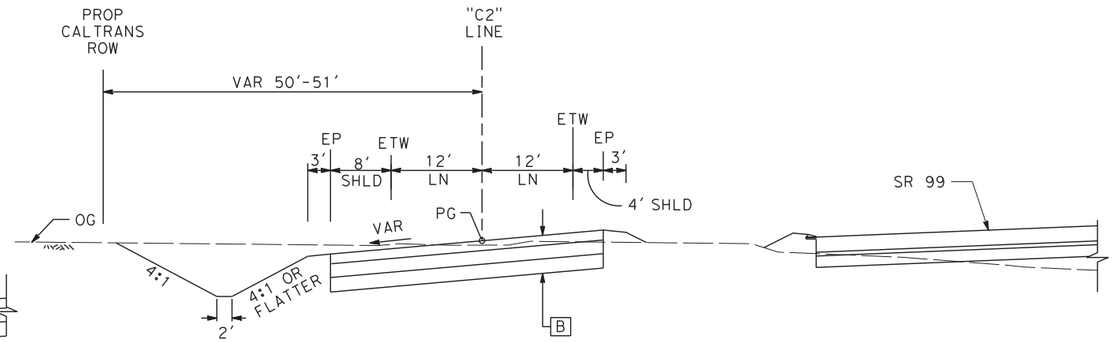
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - RAMP "C1"

CONTRACT NO.
DRAWING NO. CV-R0010-R99
SCALE AS SHOWN
SHEET NO.

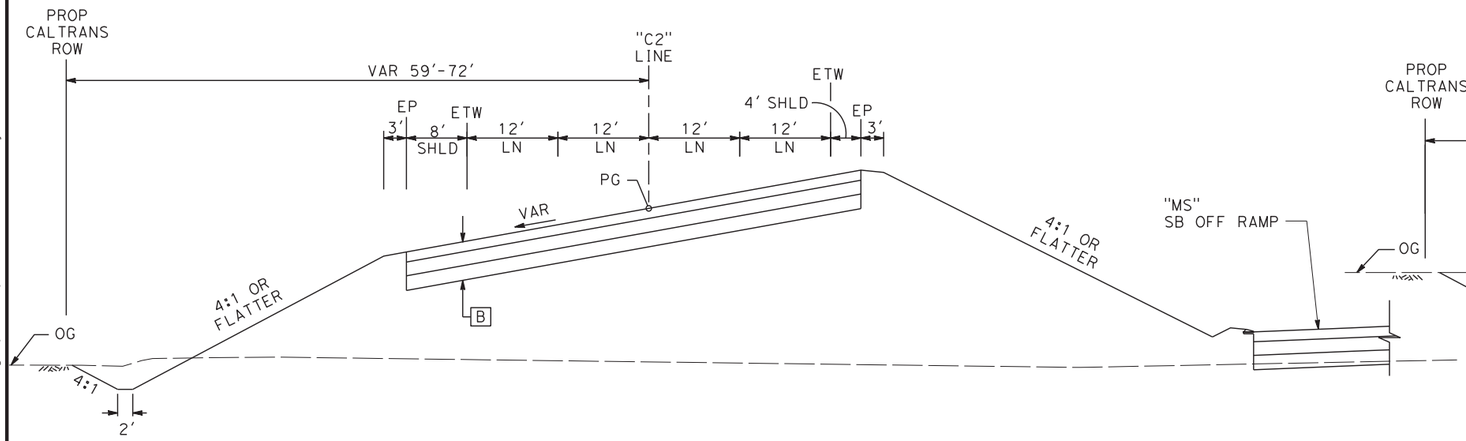
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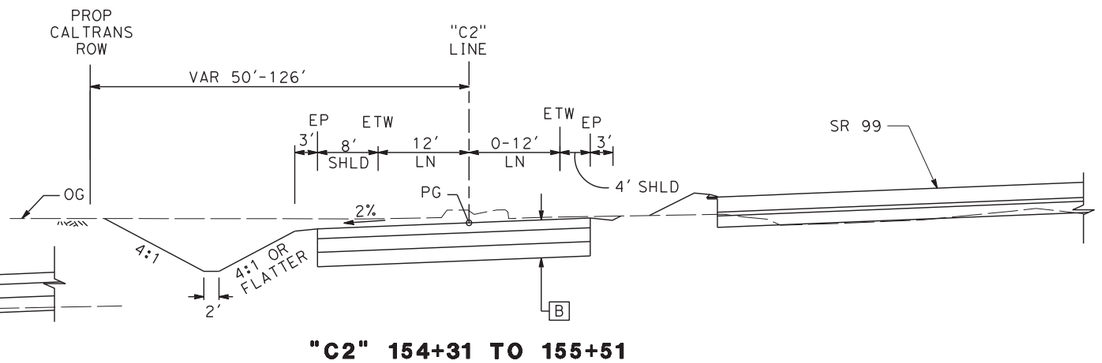

"C2" 144+66 TO 147+50



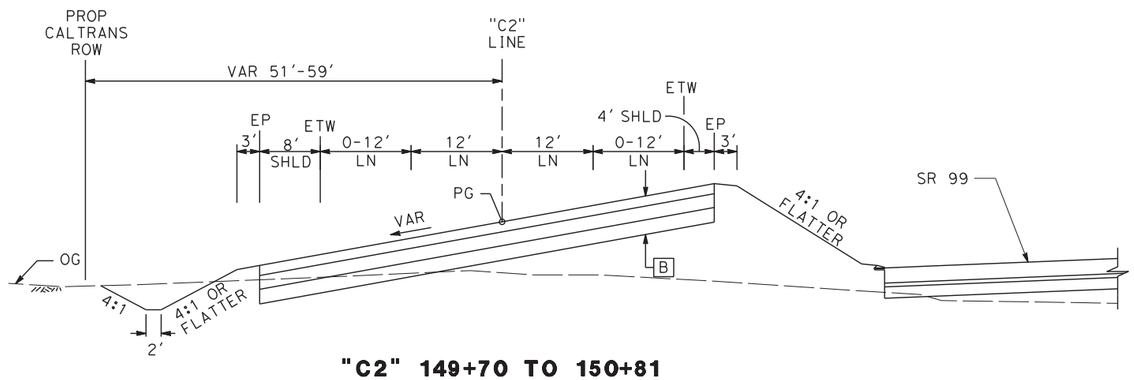

"C2" 150+81 TO 154+31



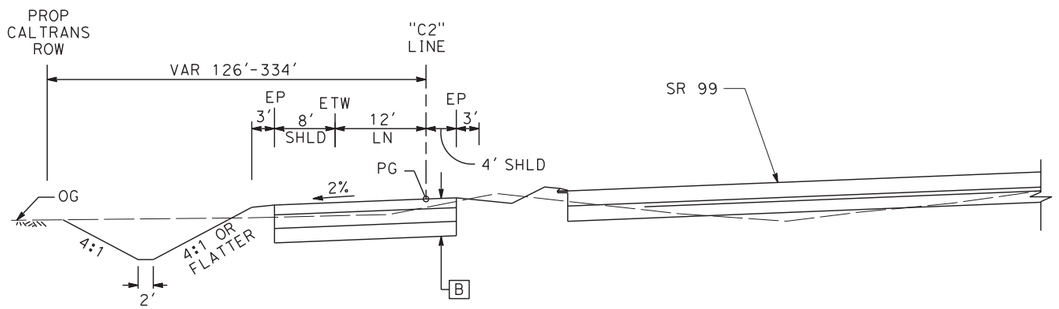

"C2" 147+50 TO 149+70




"C2" 154+31 TO 155+51




"C2" 149+70 TO 150+81




"C2" 155+51 TO 157+21

## "C2" LINE
## SB OFF RAMP AT CLINTON AVE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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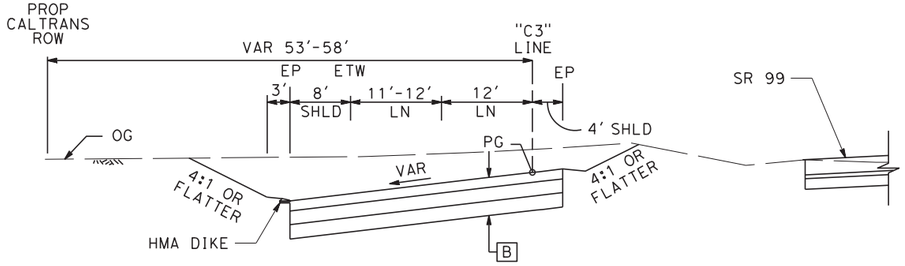
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

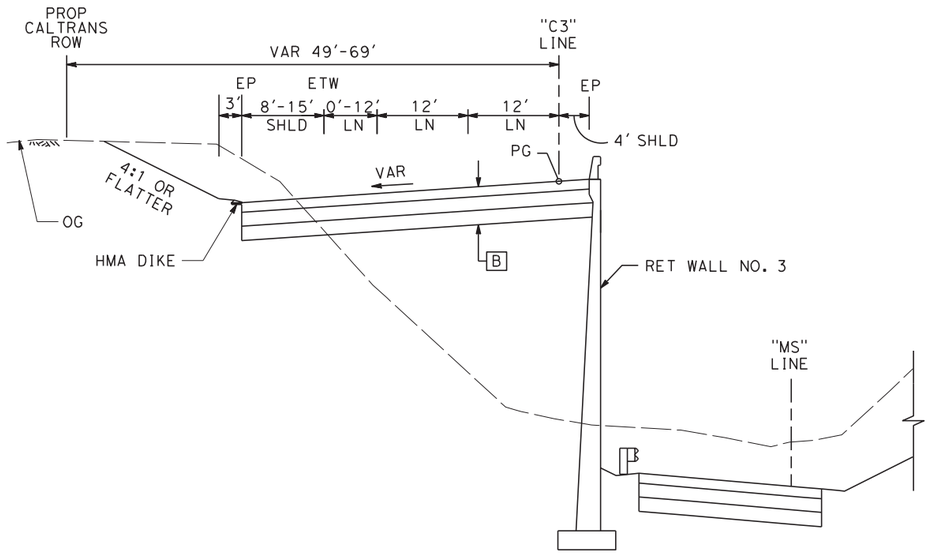
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - RAMP "C2"

CONTRACT NO.
DRAWING NO. CV-R0011-R99
SCALE AS SHOWN
SHEET NO.

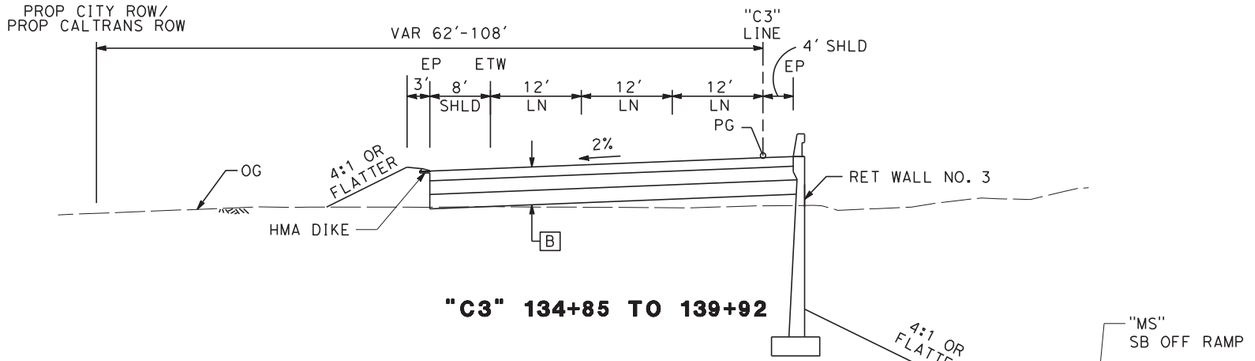
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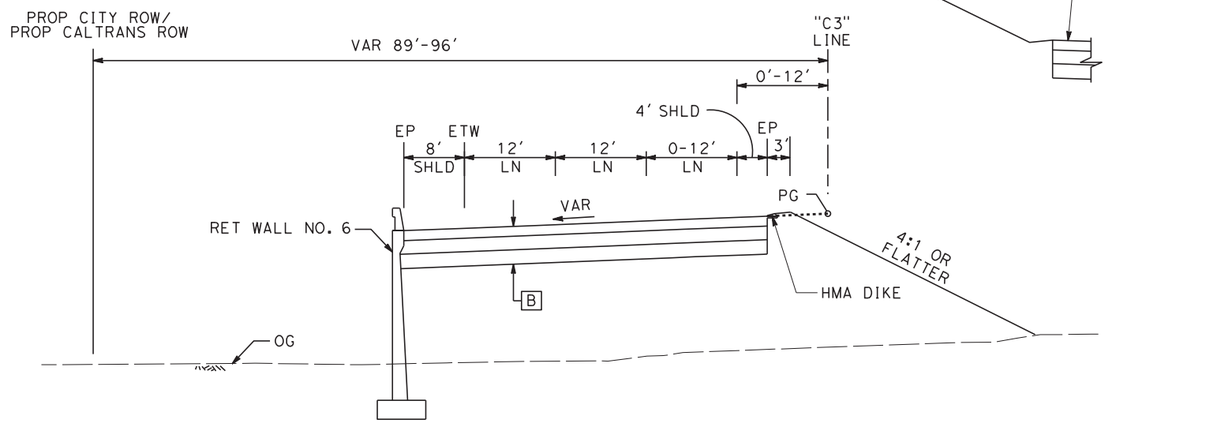

**"C3" 129+44 TO 130+64**



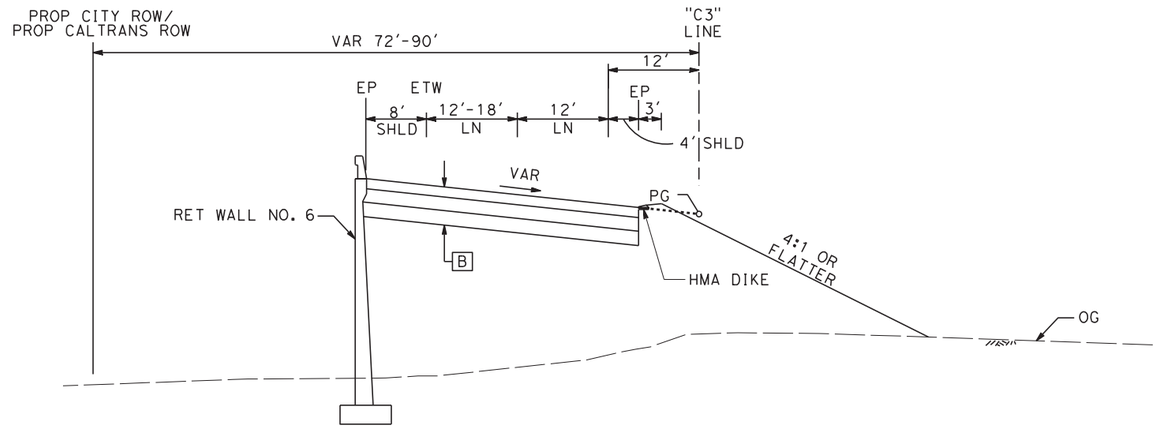

**"C3" 130+64 TO 134+85**




**"C3" 134+85 TO 139+92**




**"C3" 139+92 TO 141+33**




**"C3" 141+33 TO 143+64**

## C3 LINE
## SB ON RAMP AT W CLINTON AVE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

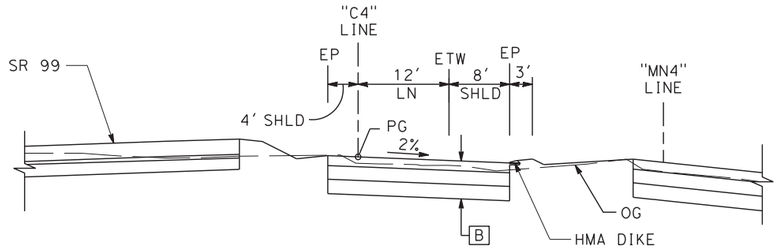
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - RAMP "C3"

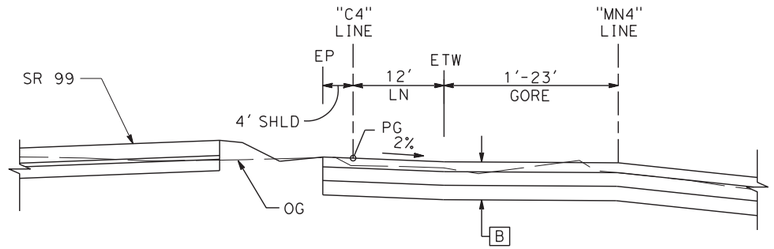
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SHEET NO.

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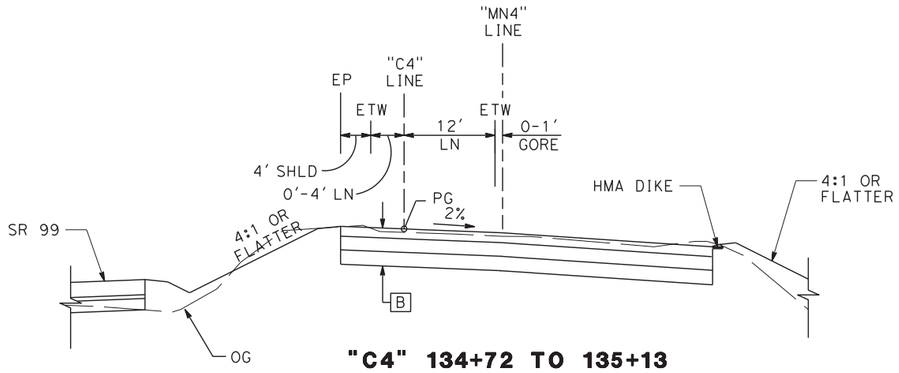
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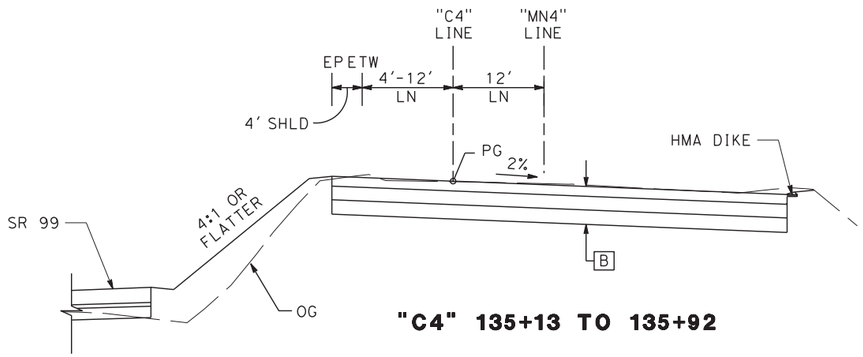

**"C4" 132+69 TO 133+22**



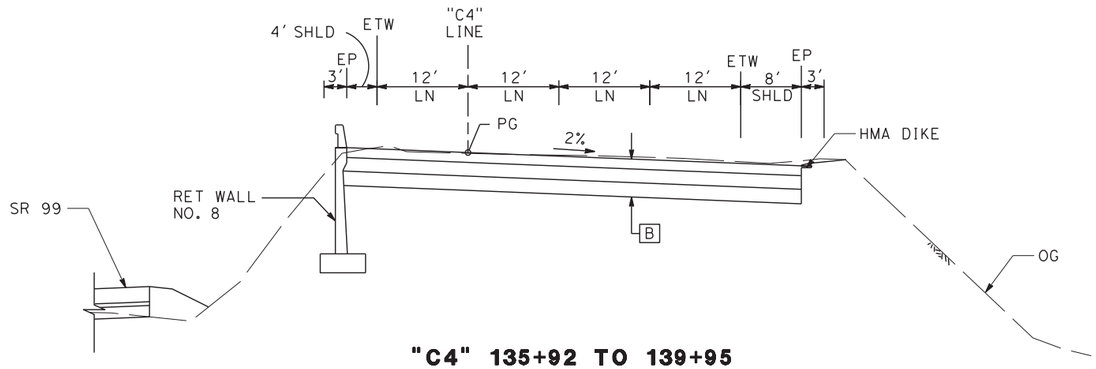

**"C4" 133+22 TO 134+72**



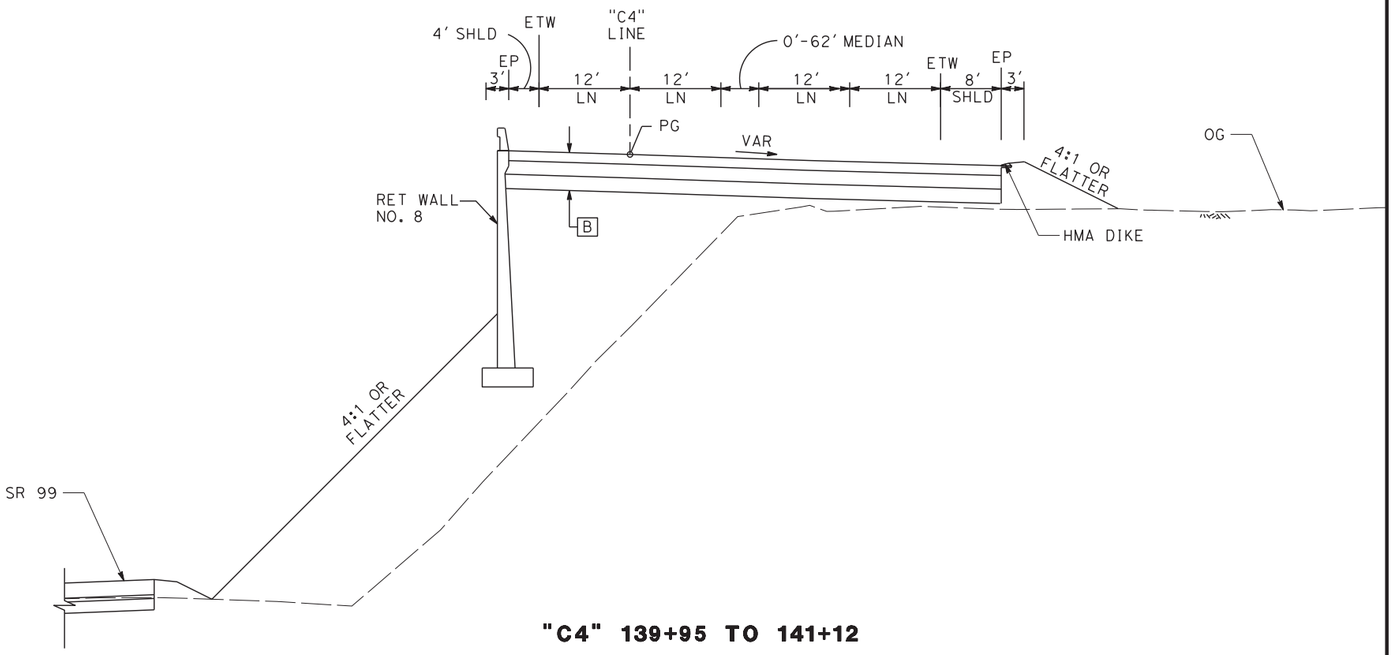

**"C4" 134+72 TO 135+13**




**"C4" 135+13 TO 135+92**




**"C4" 135+92 TO 139+95**




**"C4" 139+95 TO 141+12**

**C4 LINE**
**NB OFF RAMP AT W CLINTON AVE**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

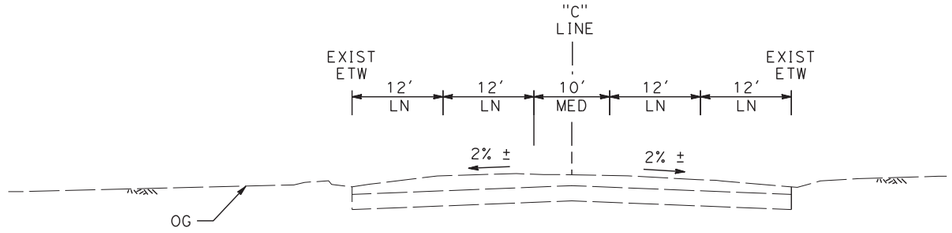
**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

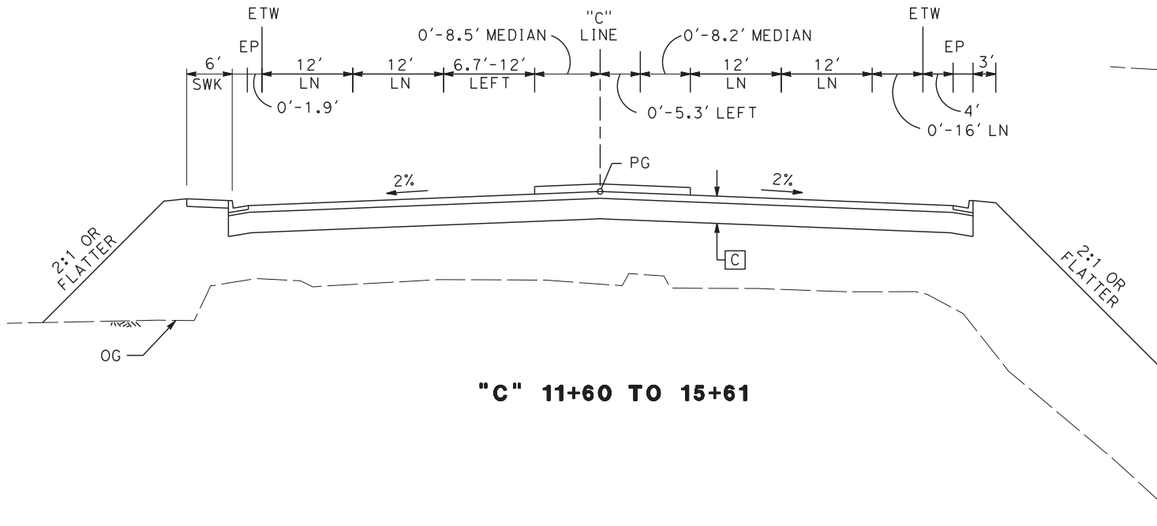
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - RAMP "C4"

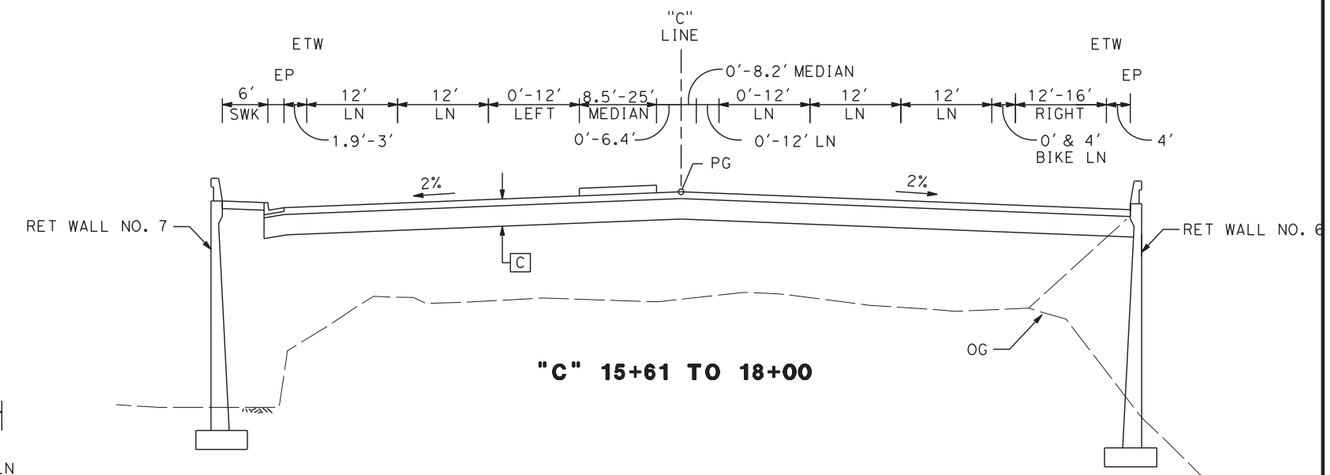
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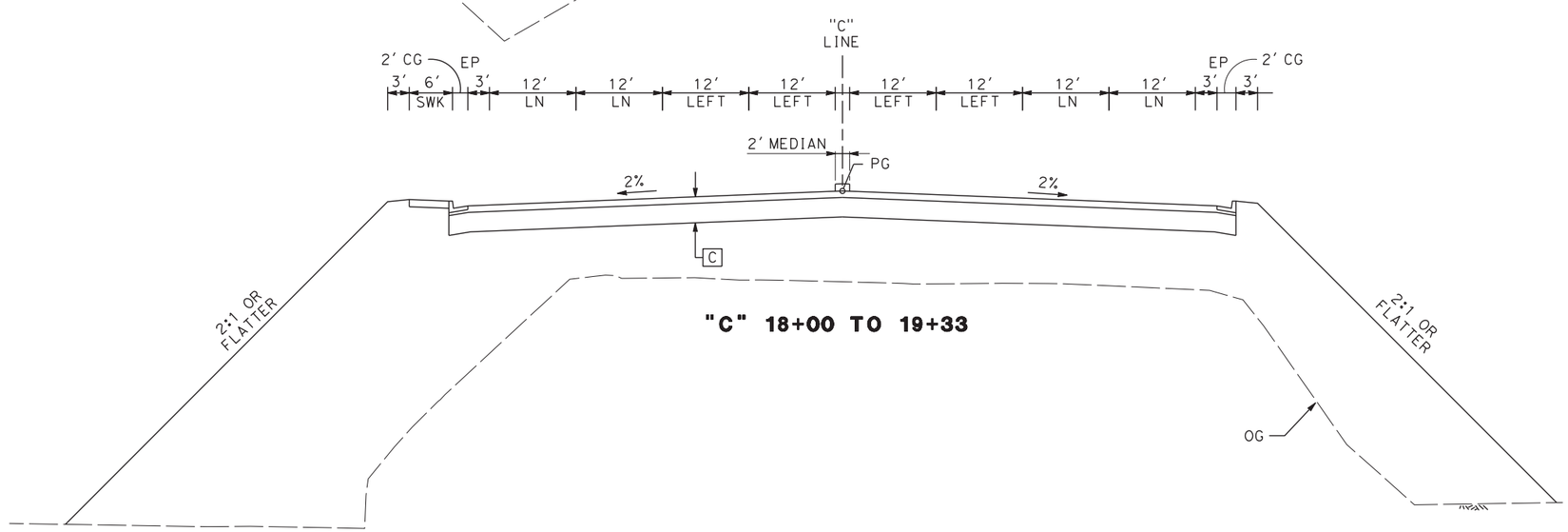

**"C" 10+00 TO 11+60**




**"C" 11+60 TO 15+61**




**"C" 15+61 TO 18+00**




**"C" 18+00 TO 19+33**

**C LINE**
**W CLINTON AVE**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

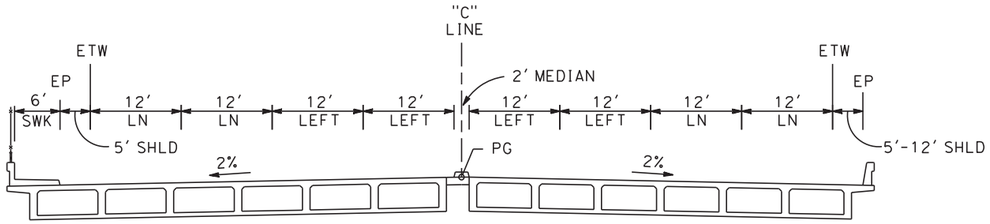
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

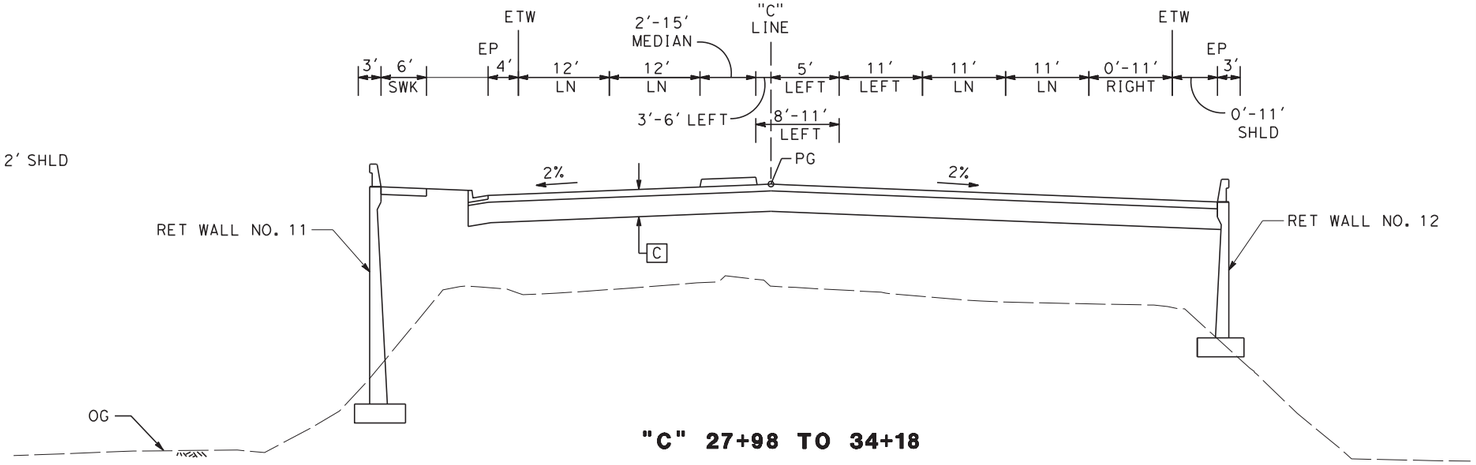
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - W CLINTON AVE

CONTRACT NO.
DRAWING NO. CV-R0014-R99
SCALE AS SHOWN
SHEET NO.

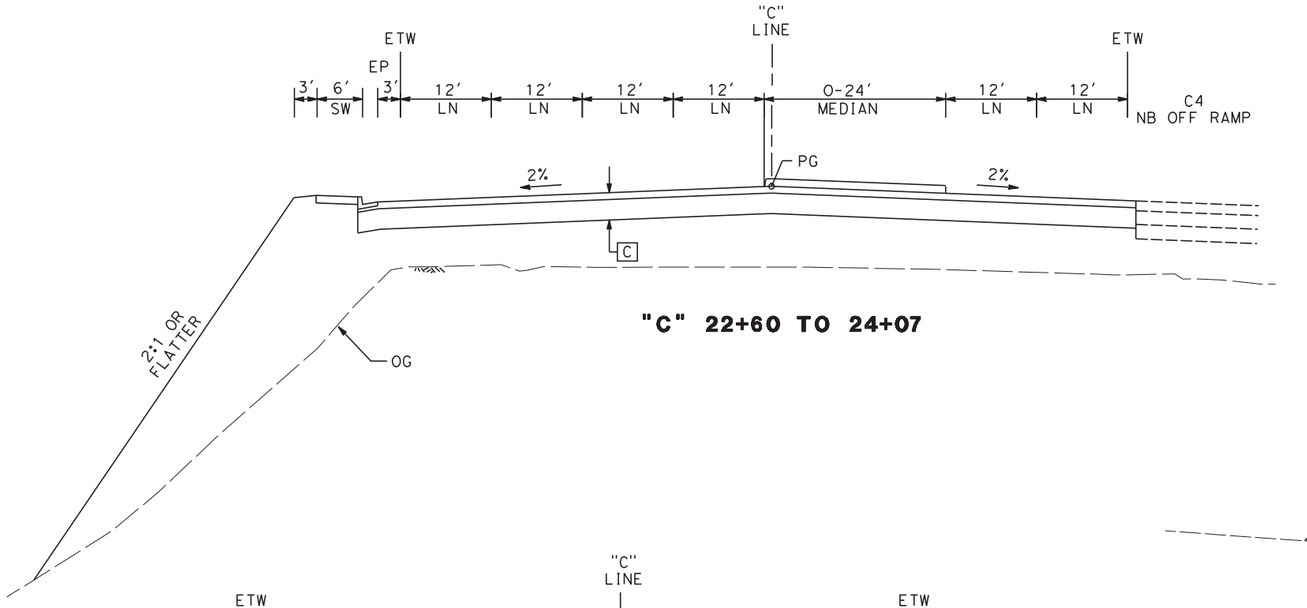
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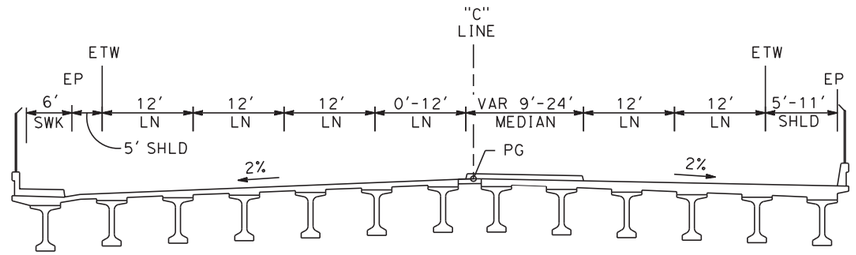

**"C" 19+33 TO 22+60**
**W CLINTON AVE OC**



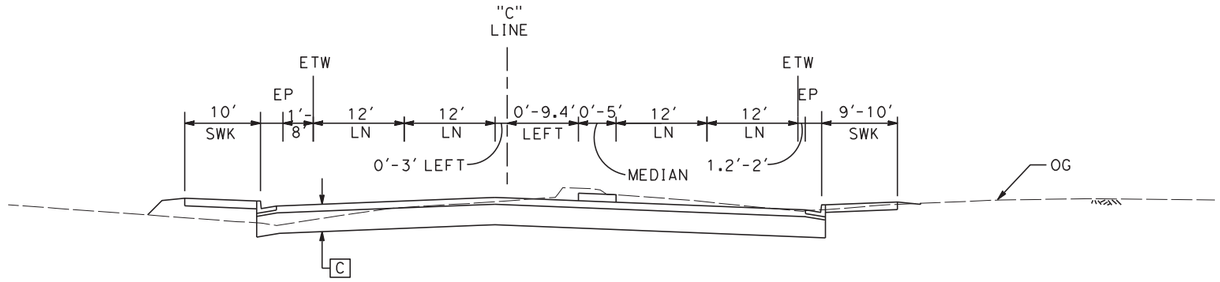

**"C" 27+98 TO 34+18**




**"C" 22+60 TO 24+07**




**"C" 24+07 TO 27+98**
**FRESNO YARD OH**




**"C" 34+18 TO 37+09**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

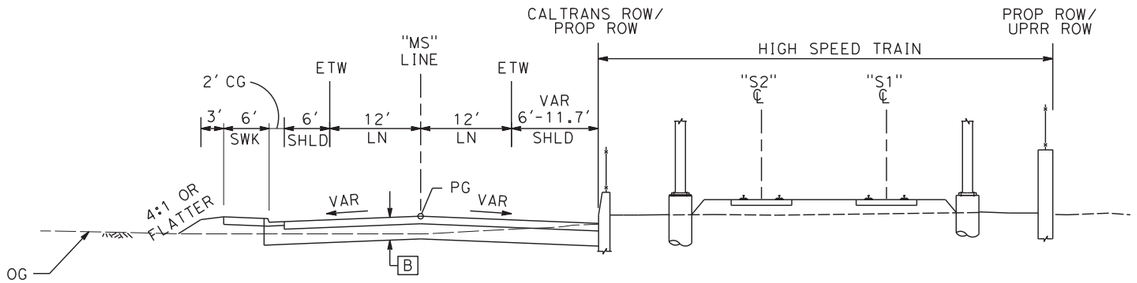
AECOM Technical Services, Inc.
2020 L Street, Suite 300 Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

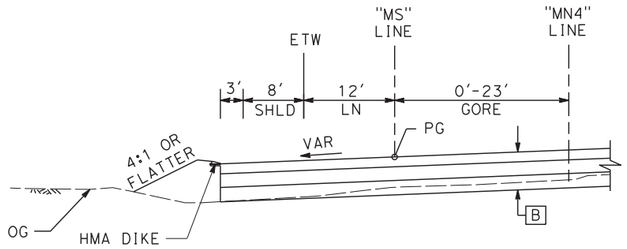
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - W CLINTON AVE

CONTRACT NO.
DRAWING NO. CV-R0015-R99
SCALE AS SHOWN
SHEET NO.

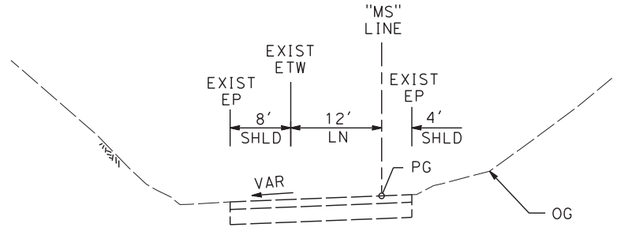
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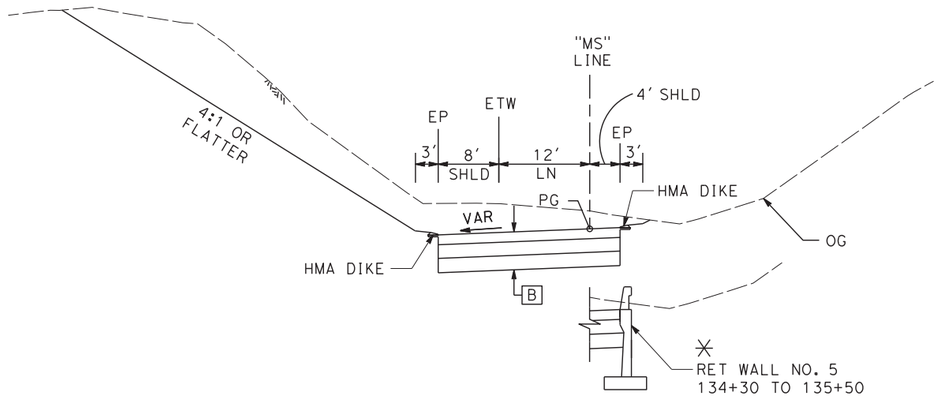

**"MS" 113+93 TO 120+50**



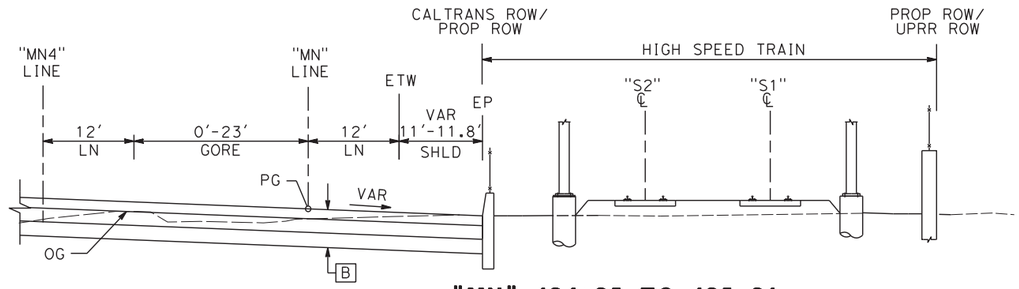

**"MS" 120+50 TO 123+06**



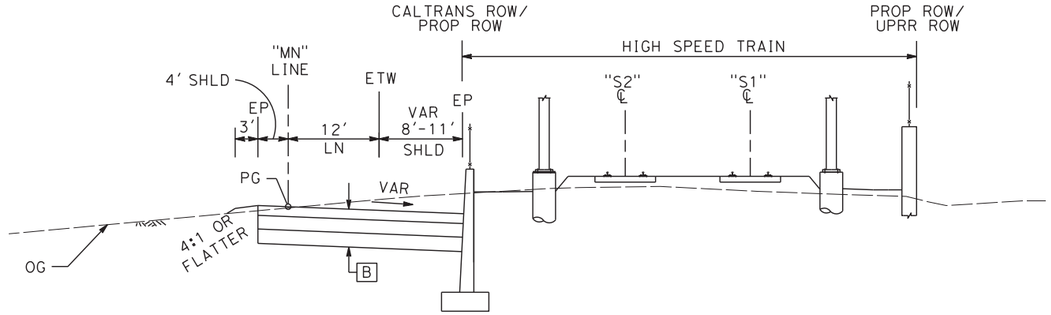

**"MS" 126+00 TO 132+57**



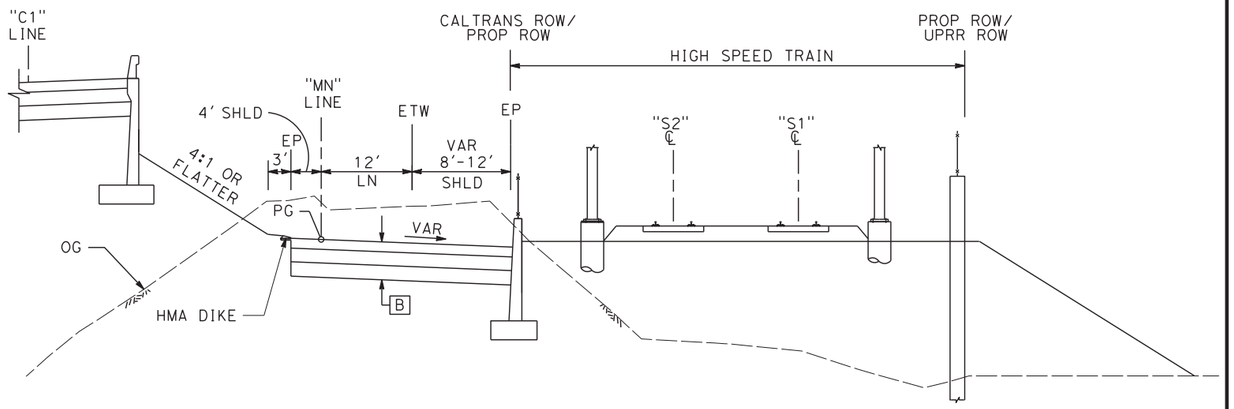

**"MS" 123+06 TO 126+00**
**"MS" 132+57 TO 146+11**




**"MN" 124+25 TO 125+21**




**"MN" 125+21 TO 139+00**




**"MN" 139+00 TO 149+07**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

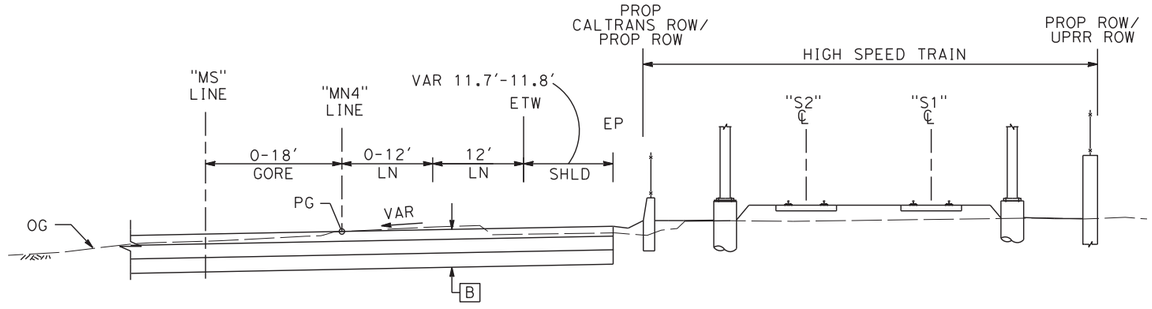
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

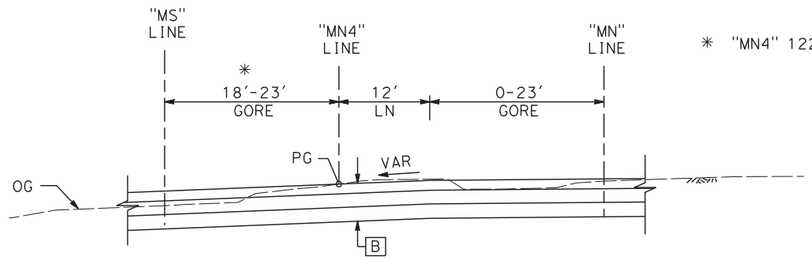
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - RAMP "MS", "MN"

CONTRACT NO.
DRAWING NO. CV-R0016-R99
SCALE AS SHOWN
SHEET NO.

ychiu 11/16/2011 3:34:56 PM CAHSRP-R1.TBL CHSR_half_black.plt C:\Documents and Settings\ychiu\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\MF-CV-R3016-R99.dgn

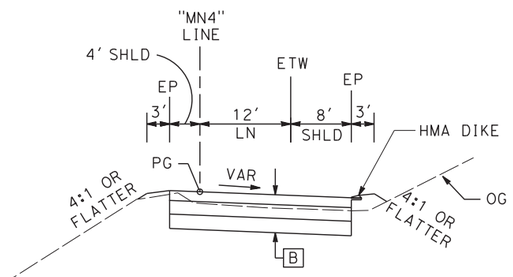



**"MN4" 120+47 TO 122+70**

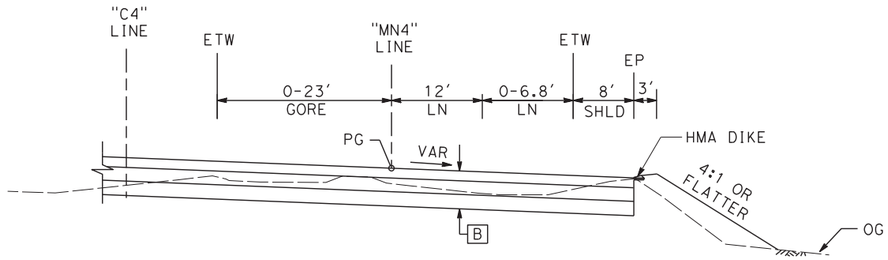



* "MN4" 122+70 TO 123+10

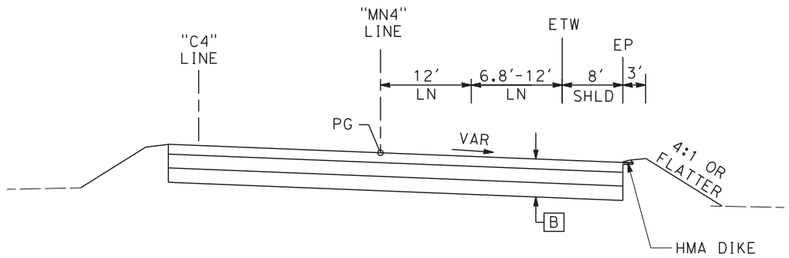
**"MN4" 122+70 TO 123+62**




**"MN4" 123+62 TO 132+27**




**"MN4" 132+27 TO 134+18**




**"MN4" 134+18 TO 134+97**

**MN4 LINE**
**GOLDEN STATE BLVD NB OFF RAMP**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

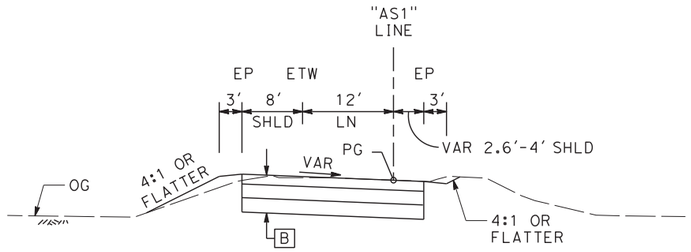
AECOM
Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

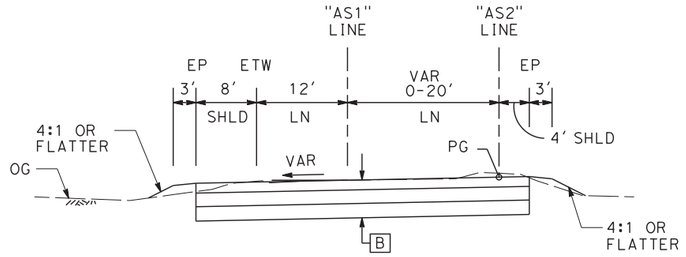
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - RAMP "MN4"

CONTRACT NO.
DRAWING NO. CV-R0017-R99
SCALE AS SHOWN
SHEET NO.

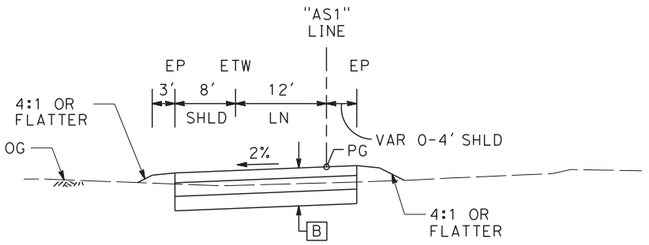
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ychiu




**"AS1" 238+39 TO 239+48**

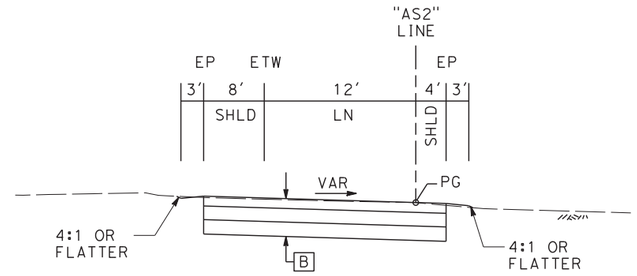



**"AS1" 239+48 TO 240+47**



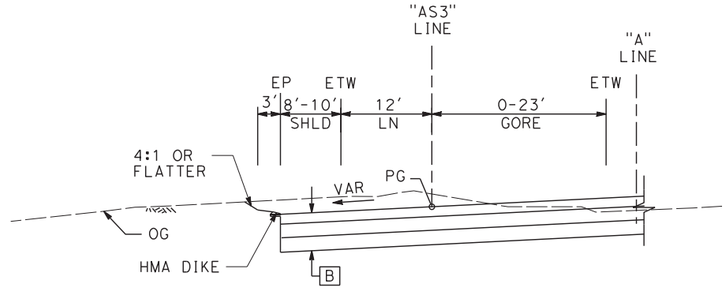

**"AS1" 240+47 TO 242+38**

**AS1 LINE**
**SB ON RAMP AT ASHLAN AVE**

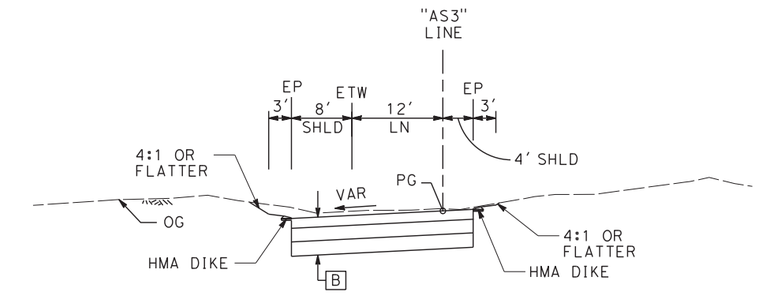



**"AS2" 240+40 TO 241+01**

**AS2 LINE**
**SB ON RAMP AT ASHLAN AVE**




**"AS3" 219+06 TO 225+34**




**"AS3" 225+34 TO 233+28**

**AS3 LINE**
**SB ON RAMP AT ASHLAN AVE**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

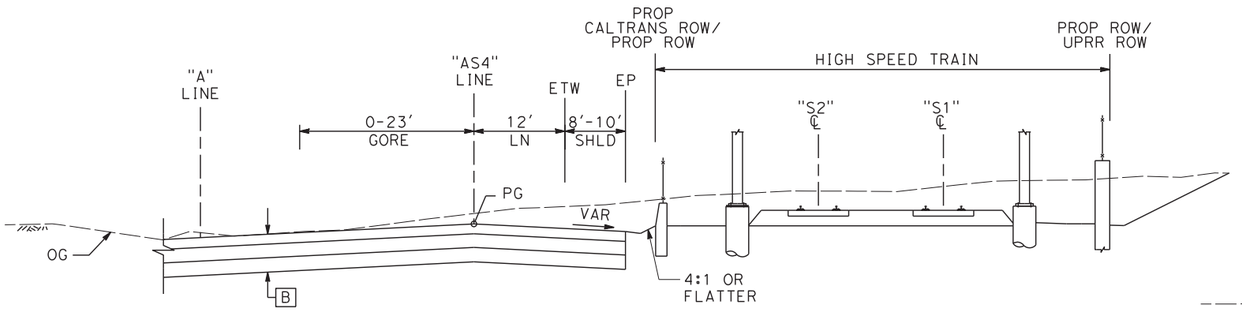
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

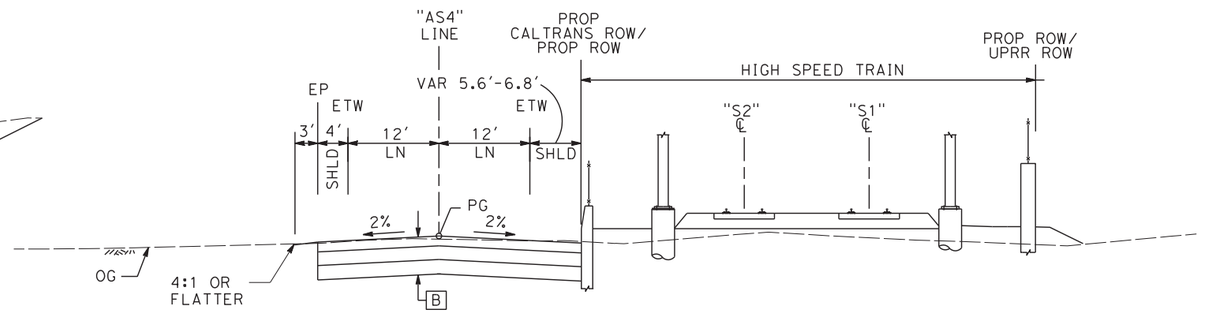
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - RAMP "AS1", "AS2", "AS3"

CONTRACT NO.
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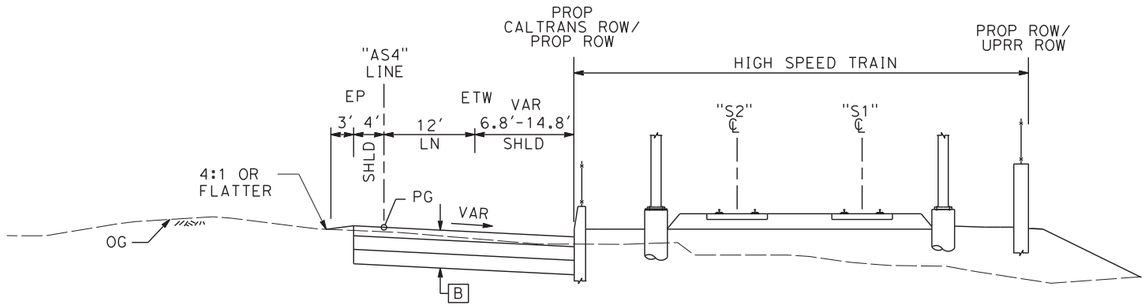
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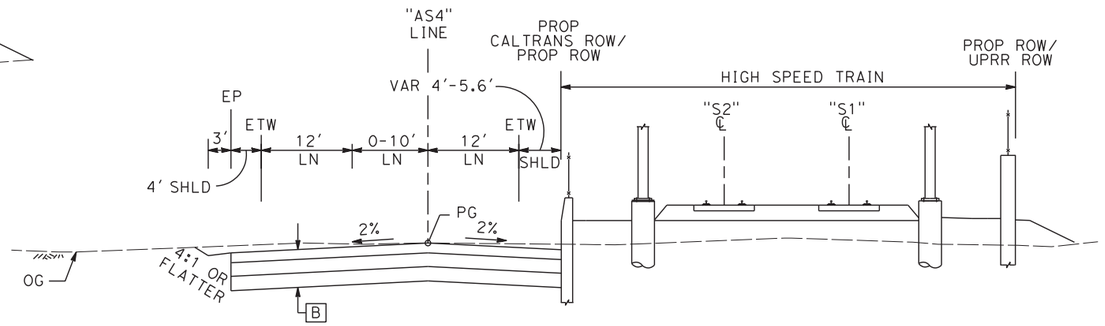

**"AS4" 221+20 TO 223+87**




**"AS4" 233+50 TO 235+00**




**"AS4" 223+87 TO 233+50**




**"AS4" 235+00 TO 237+72**

## AS4 LINE
## NB OFF RAMP AT ASHLAN AVE

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

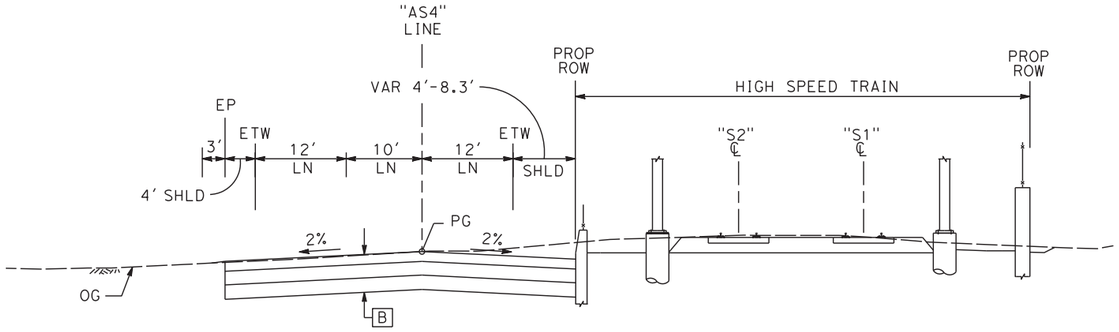
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

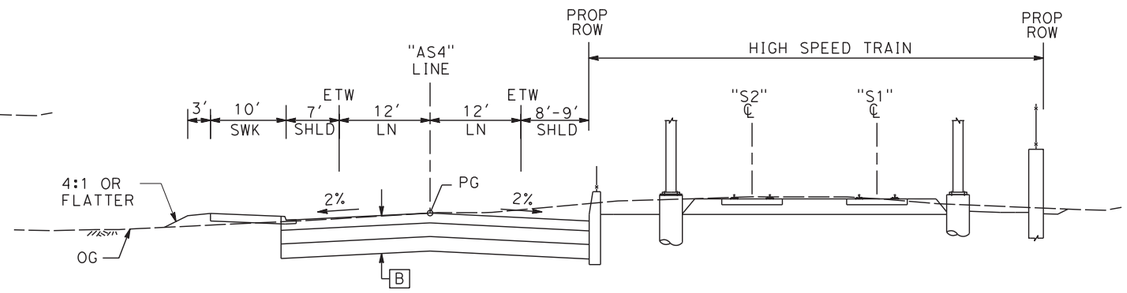
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - RAMP "AS4"

CONTRACT NO.
DRAWING NO. CV-R0019-R99
SCALE AS SHOWN
SHEET NO.

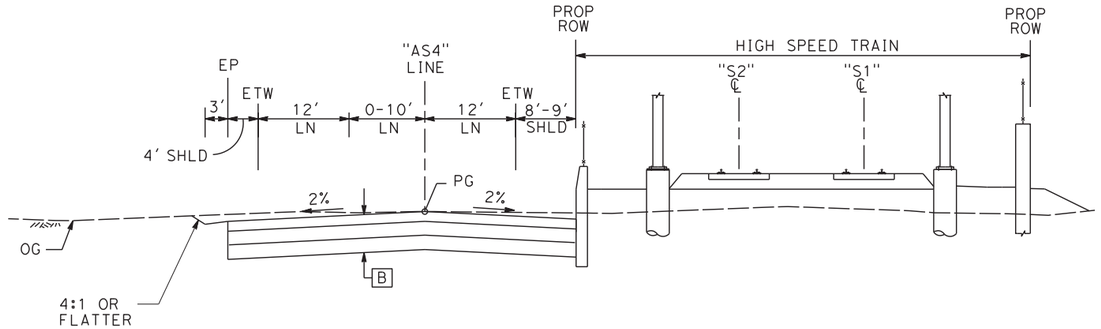
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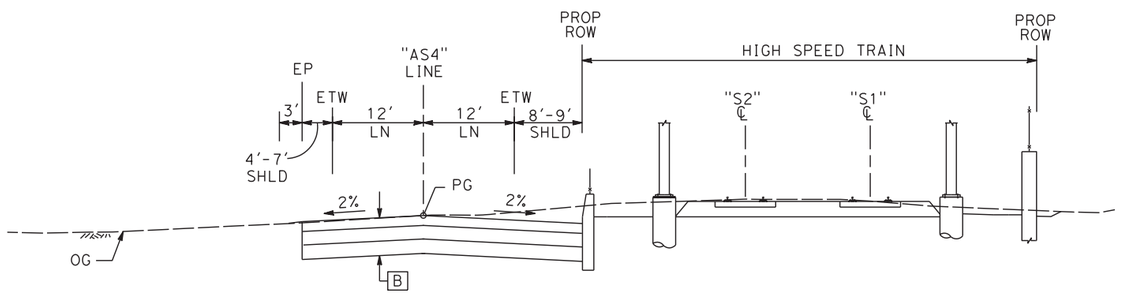

**"AS4" 237+72 TO 243+78**




**"AS4" 247+50 TO 248+00**

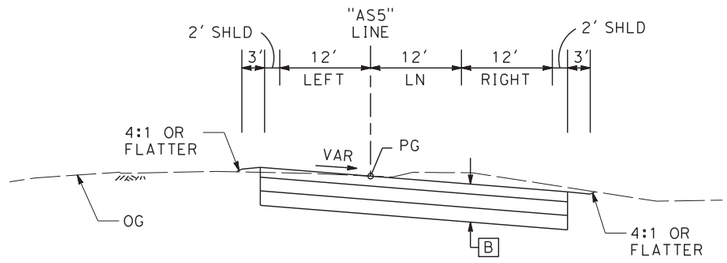



**"AS4" 243+78 TO 245+19**




**"AS4" 245+19 TO 247+50**

**AS4 LINE**
**NB OFF RAMP AT ASHLAN AVE**




**"AS5" 248+00 TO 250+66**

**AS5 LINE**
**NB OFF RAMP AT ASHLAN AVE**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

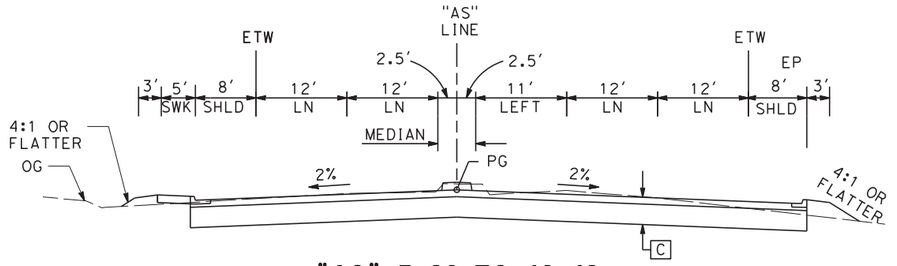
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

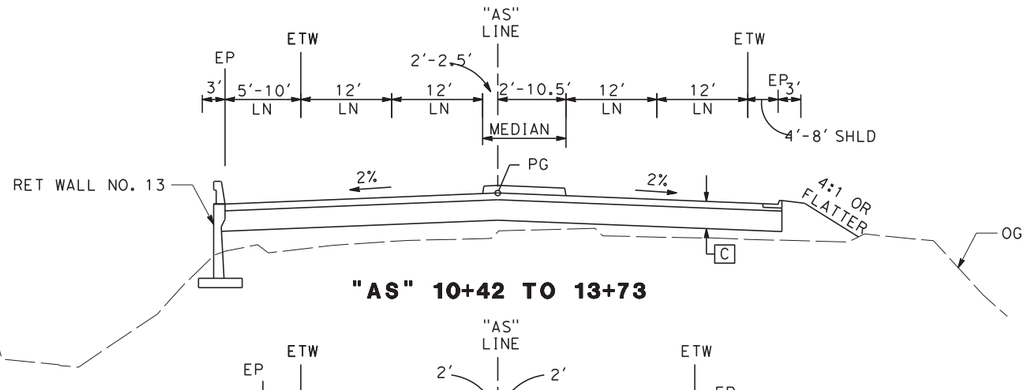
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - RAMP "AS4", "AS5"

CONTRACT NO.:
DRAWING NO.: CV-R0020-R99
SCALE: AS SHOWN
SHEET NO.:

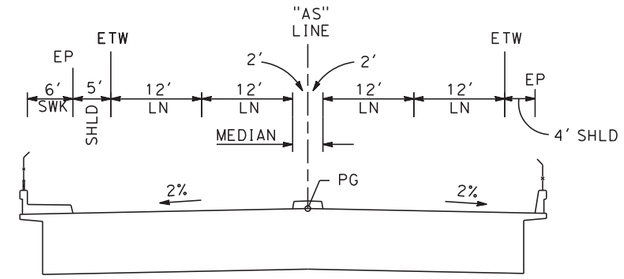
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ychiu



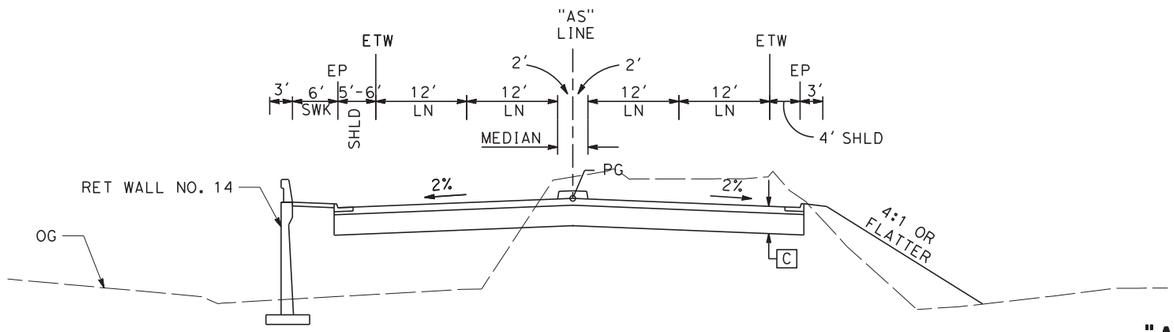

**"AS" 7+30 TO 10+42**



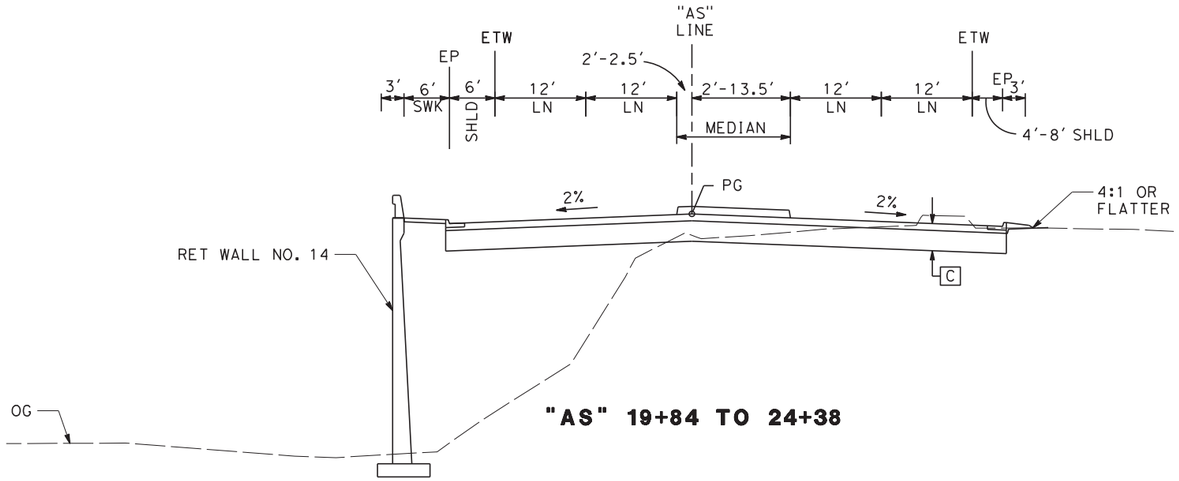

**"AS" 10+42 TO 13+73**



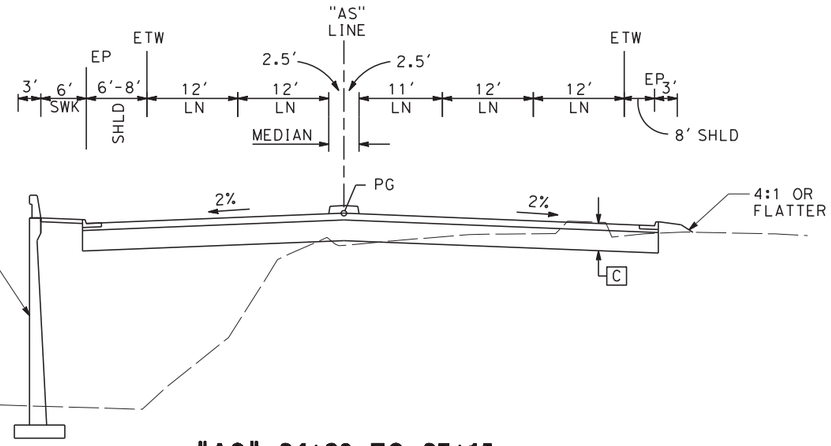

**"AS" 13+73 TO 19+28**
**ASHLAN AVE OH**



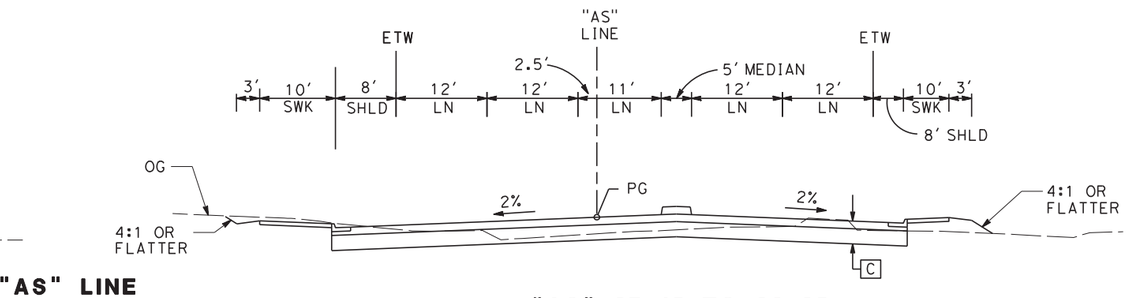

**"AS" 19+28 TO 19+84**




**"AS" 19+84 TO 24+38**




**"AS" 24+38 TO 27+15**




**"AS" 27+15 TO 30+35**

**"AS" LINE**
**ASHLAN AVE**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY B. CHAN
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

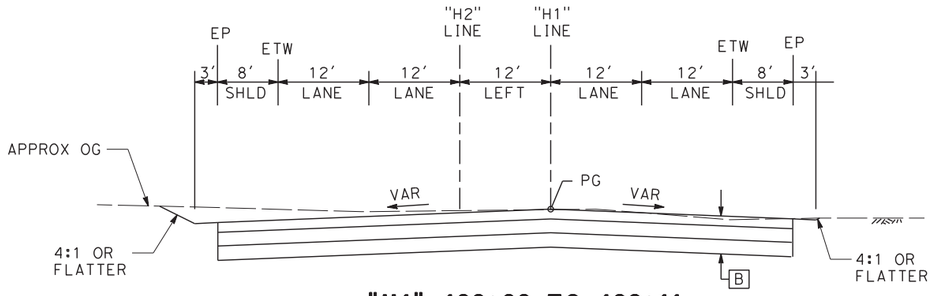
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

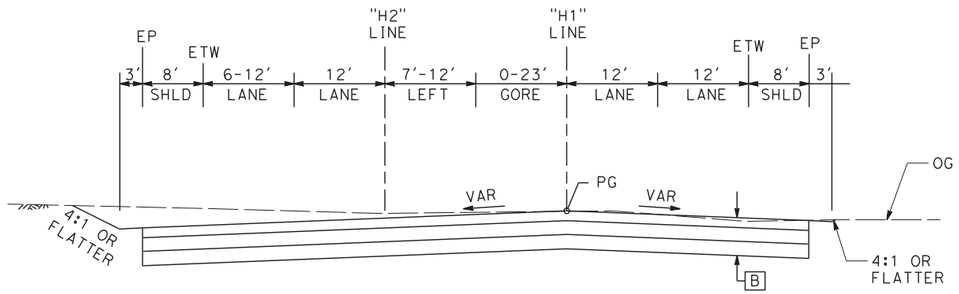
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - ASHLAN AVE

CONTRACT NO.
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SHEET NO.

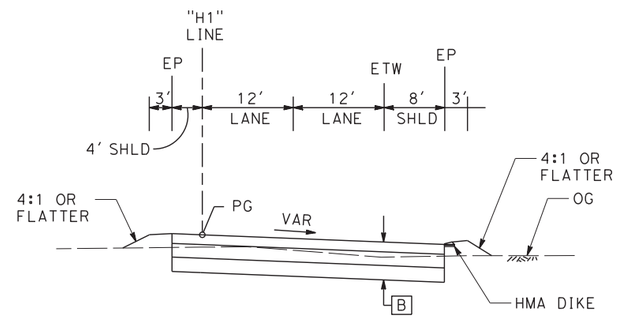
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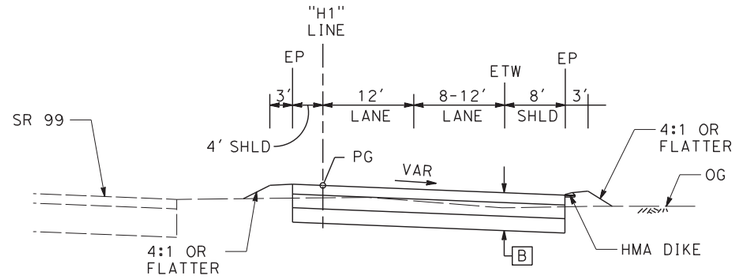

**"H1" 100+00 TO 100+11**



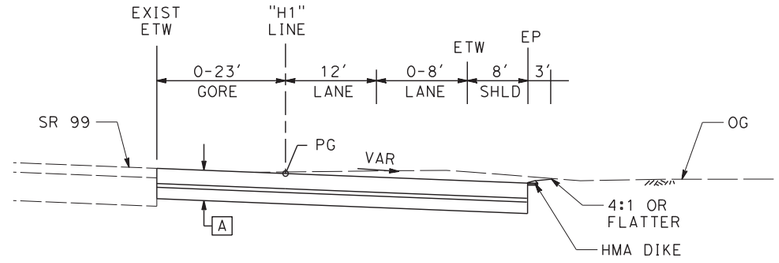

**"H1" 100+11 TO 101+89**




**"H1" 101+89 TO 115+27**

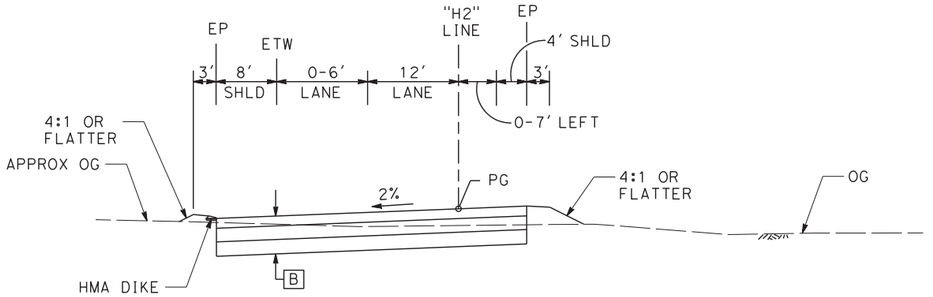



**"H1" 115+27 TO 117+08**




**"H1" 117+08 TO 124+27**

**H1 LINE**
**NB ON RAMP AT HERNDON AVE**




**"H2" 101+95 TO 104+51**

**H2 LINE**
**SB OFF RAMP AT HERNDON AVE**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

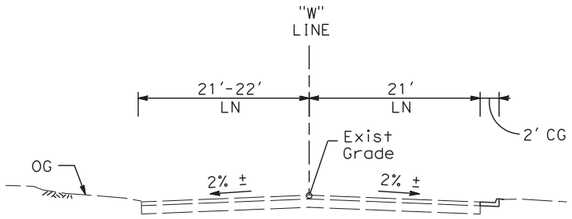
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

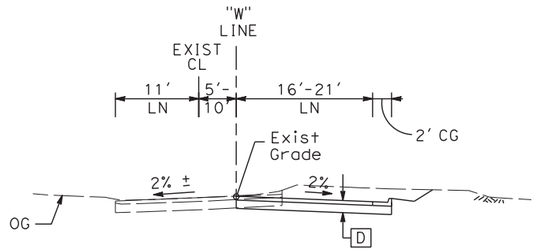
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - RAMP "H1", "H2"

CONTRACT NO.
DRAWING NO. CV-R0022-R99
SCALE AS SHOWN
SHEET NO.

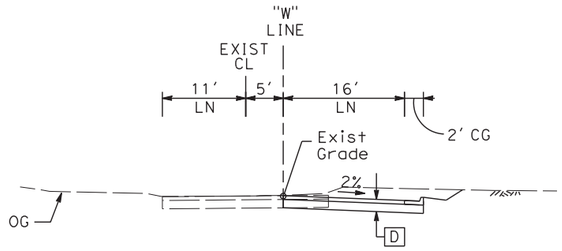
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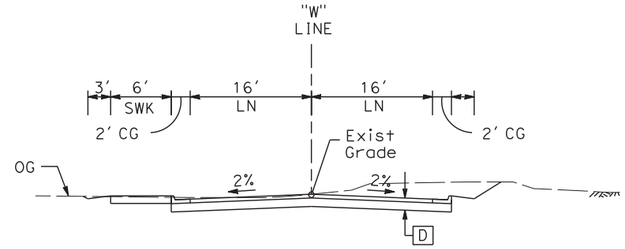

**"W" 11+63 TO 12+40**



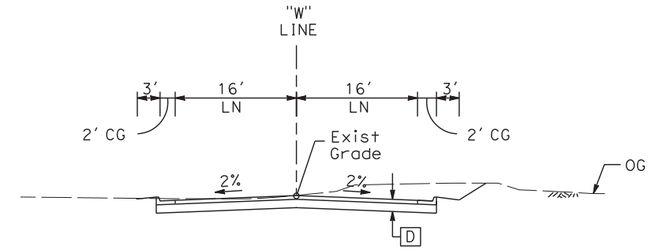

**"W" 12+40 TO 14+65**



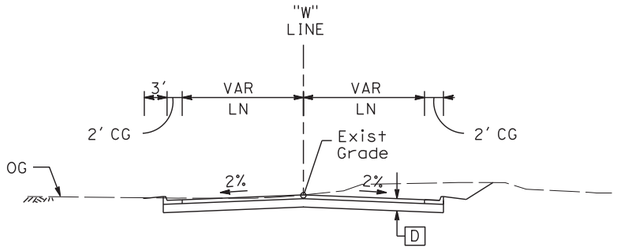

**"W" 14+65 TO 16+78**




**"W" 16+78 TO 17+46**




**"W" 17+46 TO 19+14**




**"W" 19+14 TO 19+75**

**"W"LINE**
**WOODSON AVE**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

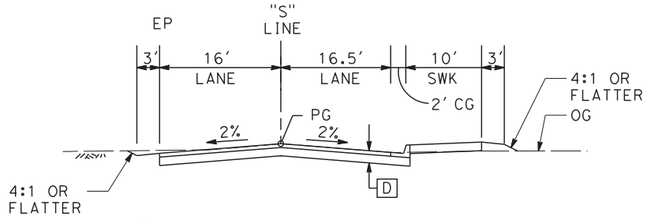
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - LOCAL ROAD "W"

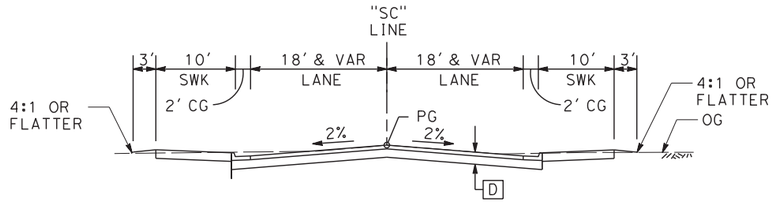
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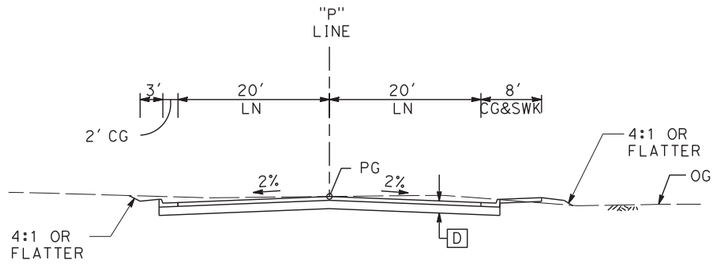

**"S" 10+00 TO 14+82**

**S LINE**
**SHIELDS AVE**



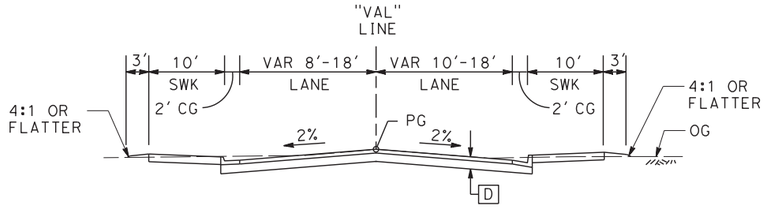

**"SC" 10+00 TO 11+66**

**SC LINE**

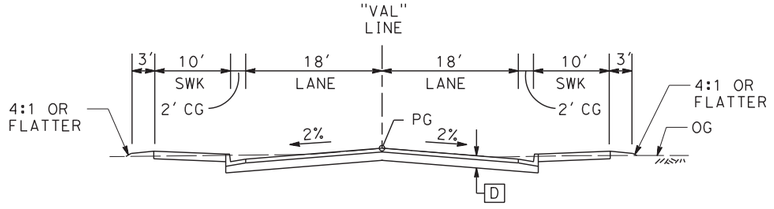



**"P" 11+00 TO 20+30**

**P LINE**
**PLEASANT AVE**

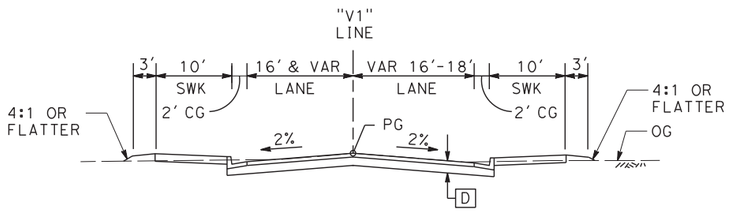



**"VAL" 20+36 TO 22+51**
**"VAL" 31+17 TO 34+16**




**"VAL" 22+51 TO 31+17**

**VAL LINE**
**VALENTINE AVE**




**"V1" 10+00 TO 14+47**

**V1 LINE**
**NORTH PARKWAY DR**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

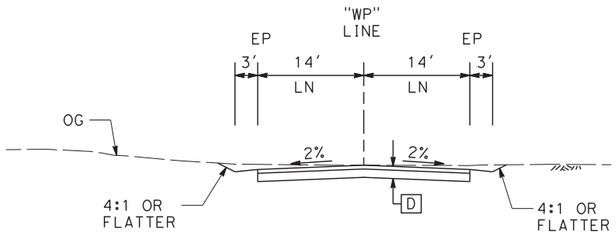
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

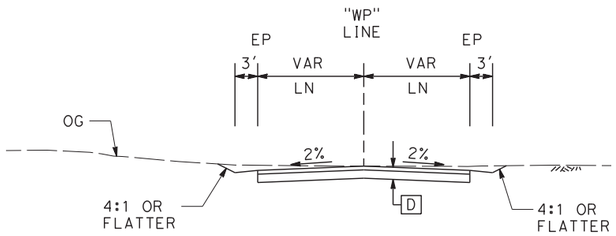
**CALIFORNIA HIGH-SPEED TRAIN PROJECT**
**SIERRA SUBDIVISION**
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - LOCAL ROAD "S", "SC", "P", "VAL", "V1"

CONTRACT NO.:
DRAWING NO.: CV-R0024-R99
SCALE: AS SHOWN
SHEET NO.:

11/16/2011 3:36:05 PM CAHSRP-R1.TBL CHSR_half_black.plt C:\Documents and Settings\ychiu\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\MF-CV-R3024-R99.dgn
ychiu

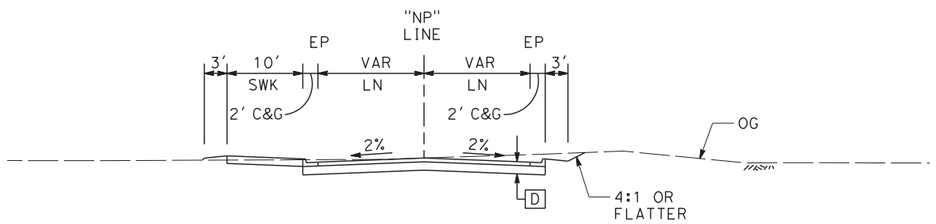



**"WP" 8+91 TO 9+37**

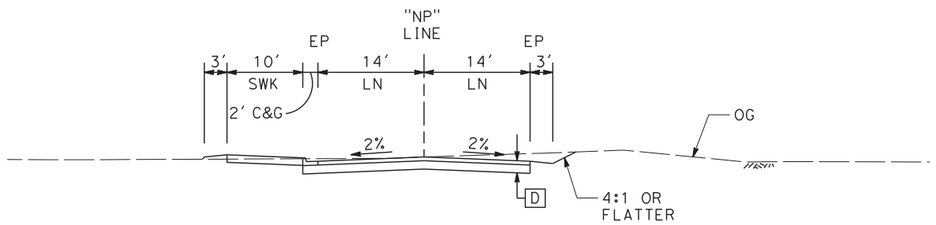



**"WP" 9+37 TO 10+00**

**WP LINE**
**W PRINCETON AVE**

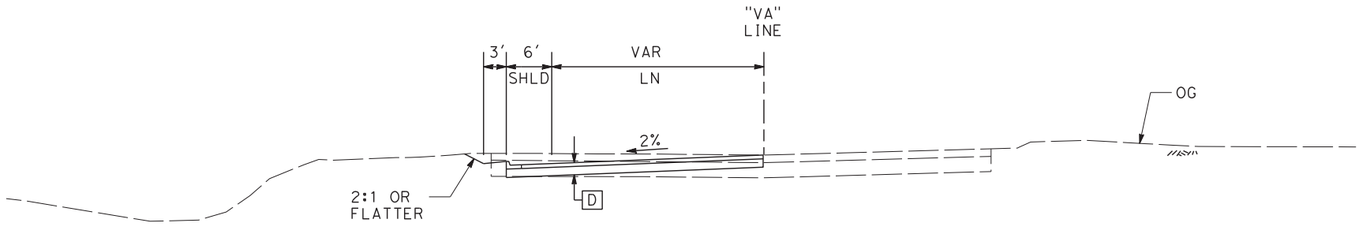



**"NP" 10+00 TO 10+63**

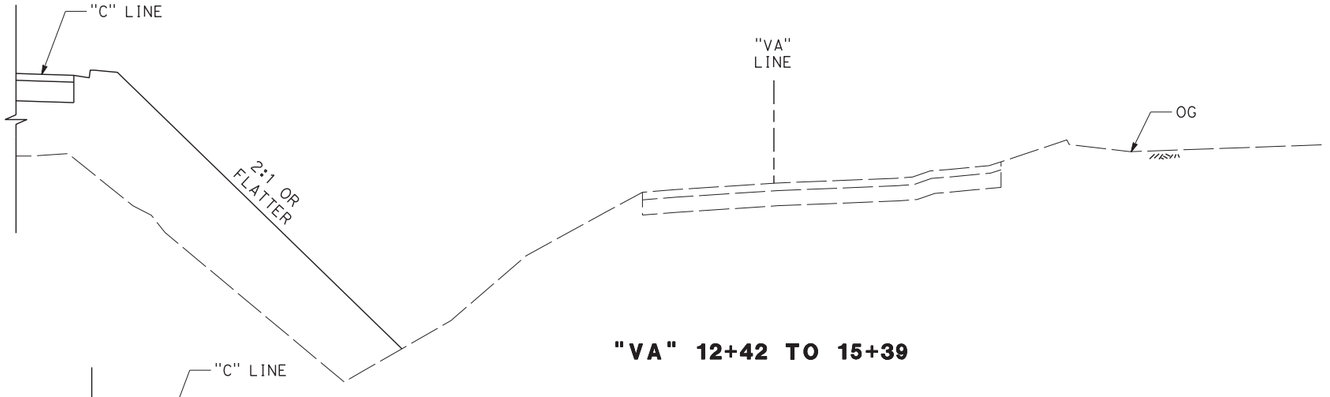



**"NP" 10+63 TO 11+56**

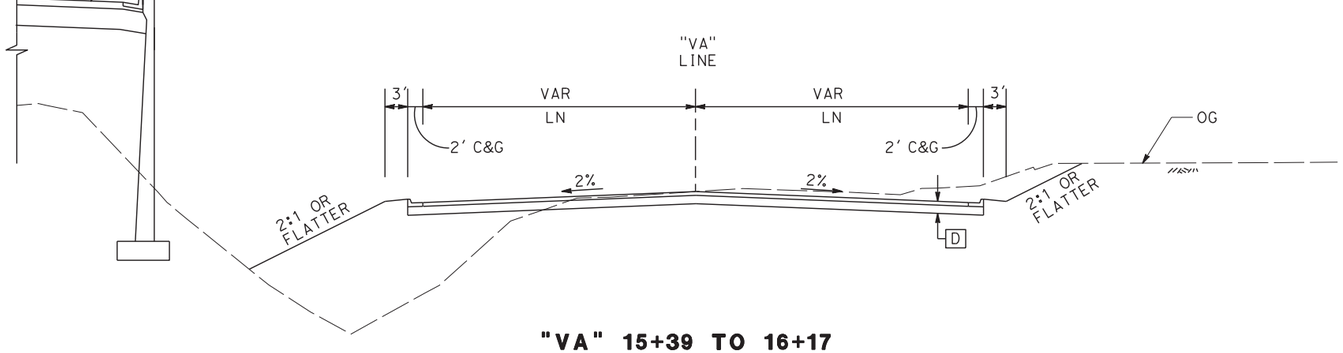
**NP LINE**
**N PARKWAY DR**




**"VA" 10+00 TO 12+42**




**"VA" 12+42 TO 15+39**




**"VA" 15+39 TO 16+17**

**VA LINE**
**VASSAR AVE**

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: G. MANOREK
DRAWN BY: B. CHAN
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
TYPICAL SECTIONS
SR 99 - LOCAL ROAD "WP", "NP", "VA"

CONTRACT NO.
DRAWING NO. CV-R0025-R99
SCALE AS SHOWN
SHEET NO.

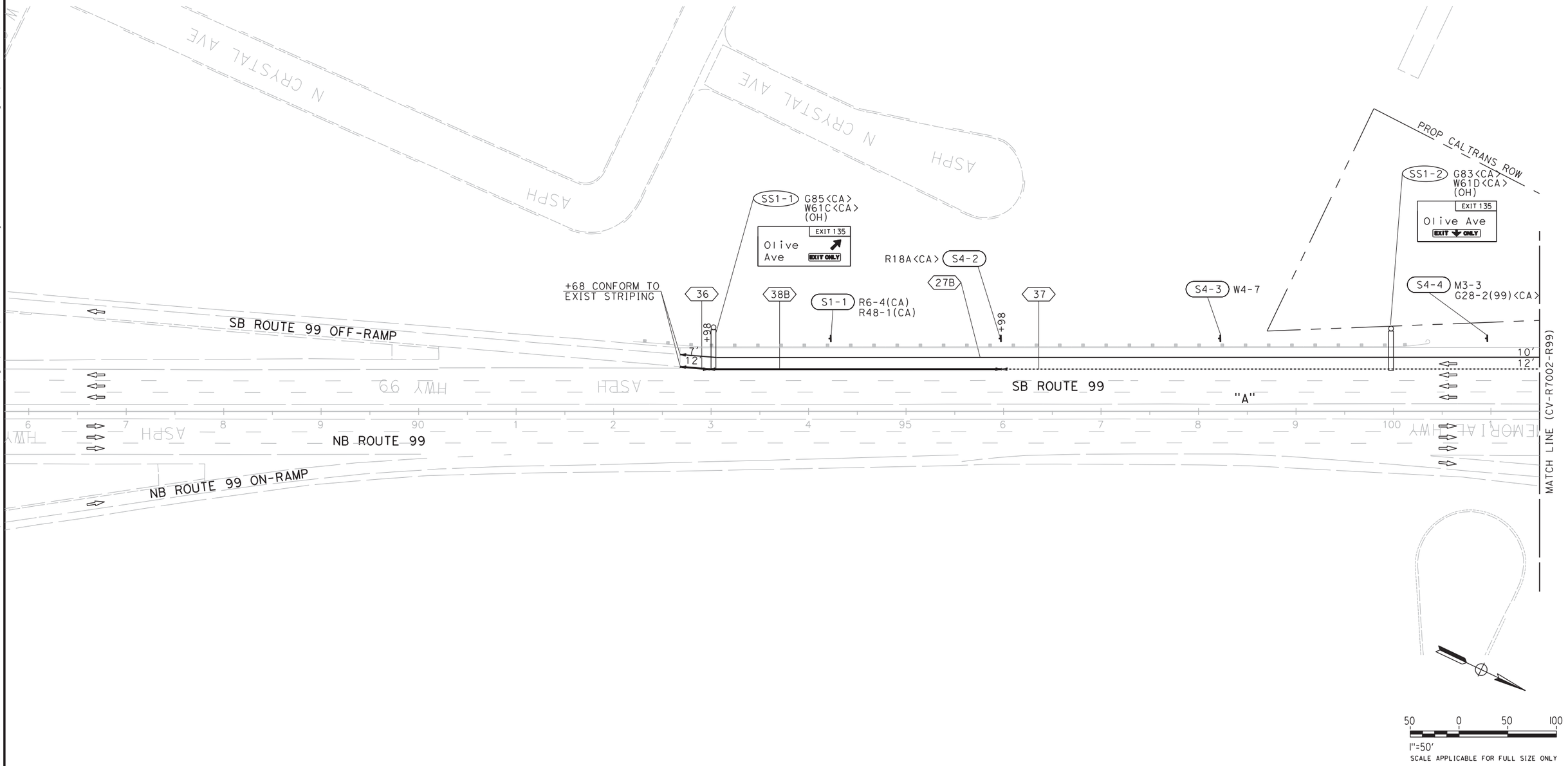
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## LEGEND:

- TRAFFIC DIRECTION
- NO. TRAFFIC STRIPE DETAIL NUMBER
- BEGIN/END OF TRAFFIC STRIPE DETAIL
- CHANGE OF TRAFFIC STRIPE DETAIL
- TYPE I (24') ARROW
- TYPE II ARROW
- TYPE III ARROW
- TYPE V ARROW
- TYPE VI ARROW
- NO. ROADSIDE SIGN NUMBER
- NO. OVERHEAD SIGN STRUCTURE NUMBER
- ROADSIDE SIGN ONE-POST
- ROADSIDE SIGN TWO-POST
- <CA> CALIFORNIA SIGN CODE
- (OH) OVERHEAD SIGN STRUCTURE
- (BM) BARRIER MOUNTED

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. FEDERAL SIGN CODES ARE SHOWN UNLESS DESIGNATED BY <CA> WHICH INDICATES A CALIFORNIA SIGN CODE.
3. EXISTING SIGNS THAT ARE IN CONFLICT WITH PROPOSED SIGNS SHALL BE REMOVED.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY C. CHIU
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**


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Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

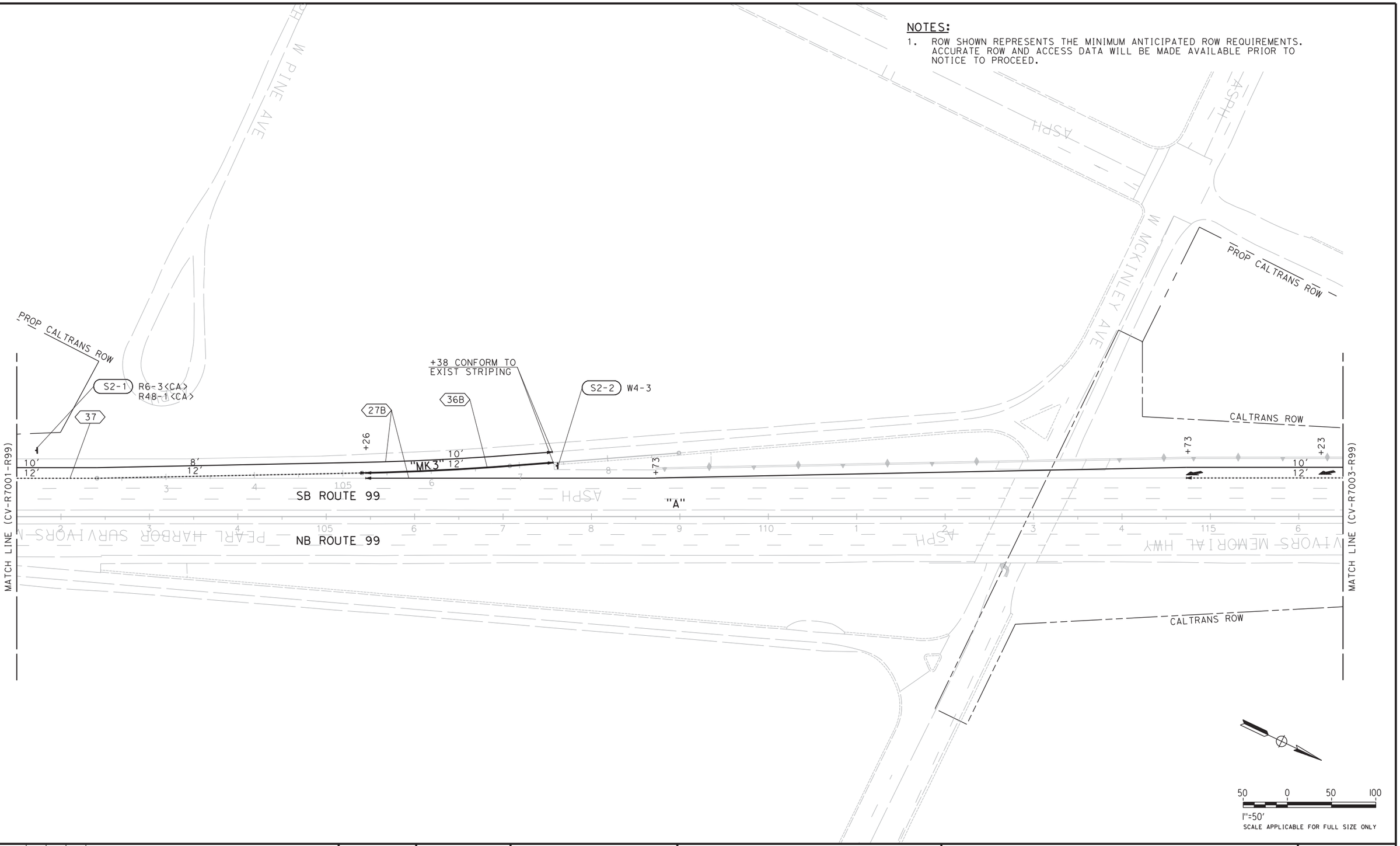
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DRAWING NO. CV-R7001-R99
SCALE AS SHOWN
SHEET NO.


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ychiu

C:\Documents and Settings\ychiu\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-R7002-R99.dgn
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11/16/2011 11:00:33 AM
ychiu

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY C. CHIU
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

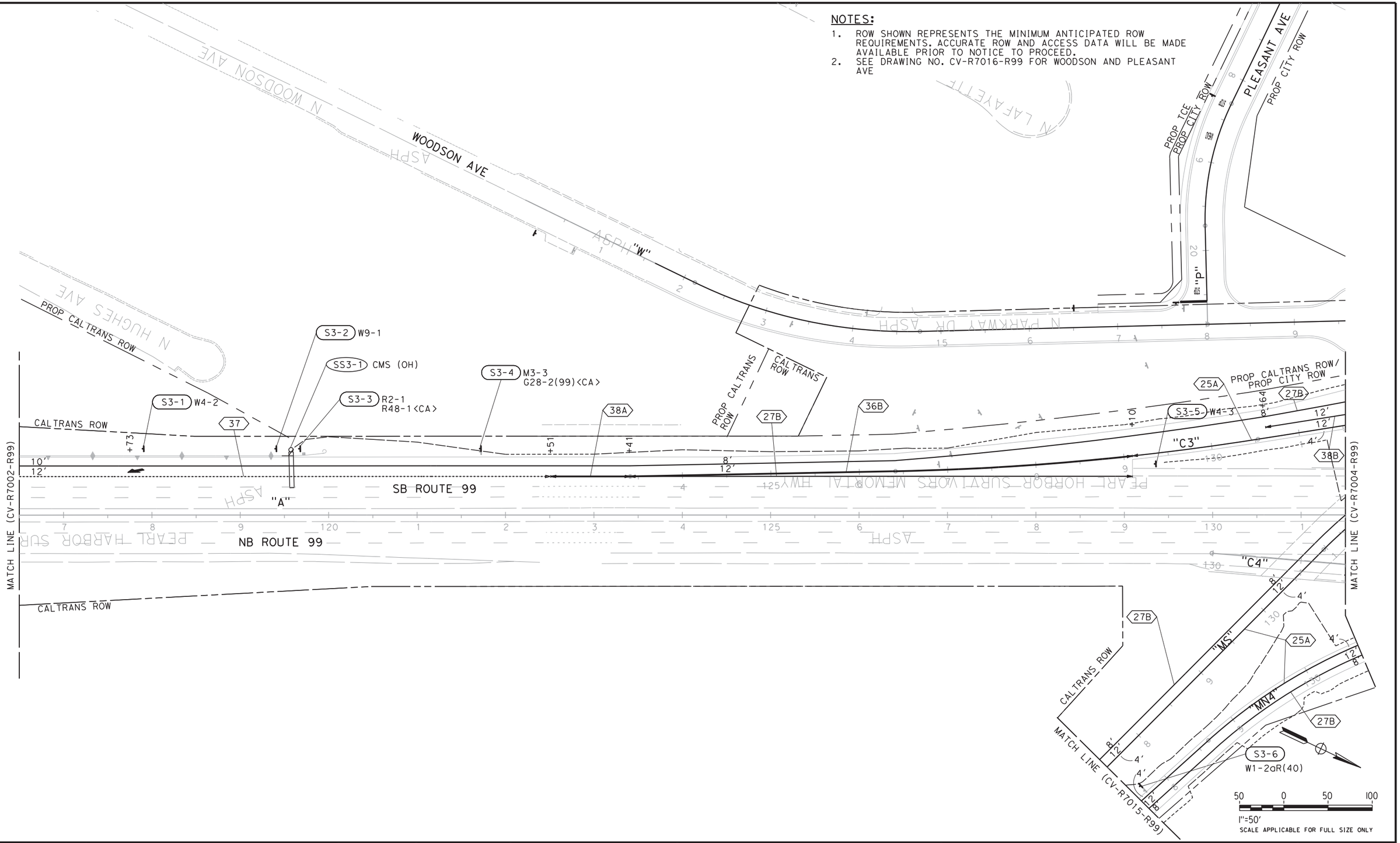
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-R7002-R99
SCALE AS SHOWN
SHEET NO.

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**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE DRAWING NO. CV-R7016-R99 FOR WOODSON AND PLEASANT AVE




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY C. CHIU
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-R7003-R99
SCALE AS SHOWN
SHEET NO.

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**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE SHEETS CV-R7012-R99 AND CV-R7013-R99 FOR W CLINTON AVE

MATCH LINE (CV-R7003-R99)

MATCH LINE (CV-R7005-R99)

MATCH LINE (CV-R7015-R99)

"W"

"VA"

"MS"

"MN"

"MN4"

"C1"

"C2"

"C3"

"C4"

"C"

VASSAR AVE

W CLINTON AVE

CALTRANS ROW

PROP CALTRANS ROW

PROP CALTRANS ROW/ PROP CITY ROW

PROP CITY ROW LIMIT LINE

CALTRANS ROW PROP TCE

+00 CONFORM TO EXISTING STRIPING

+74 CONFORM TO EXISTING STRIPING

W CLINTON AVE OVERCROSSING

SB ROUTE 99

NB ROUTE 99

60° - VARIES

S1 ℄

S2 ℄

S10800

S10805+00

PROP ROW/PROP CALTRANS ROW

PROP ROW/UPRR ROW

UPRR ROW

LIMIT LINE

CROSSWALK

LIMIT LINE

S4-1 R89-1<CA> R90<CA>(BM)

S4-2 R88<CA>(BM)

S4-3 R91-3<CA>(BM)

S4-4 R91-3<CA>(BM)

S4-5 R91-3<CA>(BM)

S4-6 R5-10a

S4-7 G92<CA> G28-2(99)<CA> M3-3 M6-2

S4-8 G92<CA> G28-2(99)<CA> M3-3 M6-2

S4-9 R6-1L R6-1R

S4-10 R5-1 R5-1a

S4-11 R6-1L R6-1R

S4-12 R5-1 R5-1a

S4-13 R5-10c

S4-14 W12-2 (15'-2")

S4-15 W8-5

S4-16 W8-5

S4-17 W1-2L W13-1(40)

S4-18 G86-12<CA> G66-57<CA> D9-8 D9-9 G66-56<CA>

S4-19 G83-4<CA>

S4-20 G84-3(136A)<CA>

S4-21 G84-3(136) <CA>

S4-22 W4-3

S4-23 W3-3

S4-24 G1<CA>(MOD)

S4-25 R61-15<CA>(MOD)

S4-26 R5-10c

S4-27 R5-1 R5-1a

S4-28 R5-1 R5-1a

S4-29 R5-1 R5-1a

S4-30 R5-1 R5-1a R6-1L

S4-31 R6-1L R6-1R

S4-32

S4-33 G92<CA> G28-2(99)<CA> M3-1 M6-2

S4-34 R5-10a<CA>(BM)

S4-35 G92<CA> G28-2(99)<CA> M3-1 M6-2

EXIT 135 Roeding Park Chaffee Zoo NEXT EXIT

EXIT 135 Olive Ave 1 MILE

Veterans Hospital 3 ➔

ONLY ONLY ONLY

50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY G. MANOREK
DRAWN BY C. CHIU
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

CONTRACT NO.

DRAWING NO. CV-R7004-R99

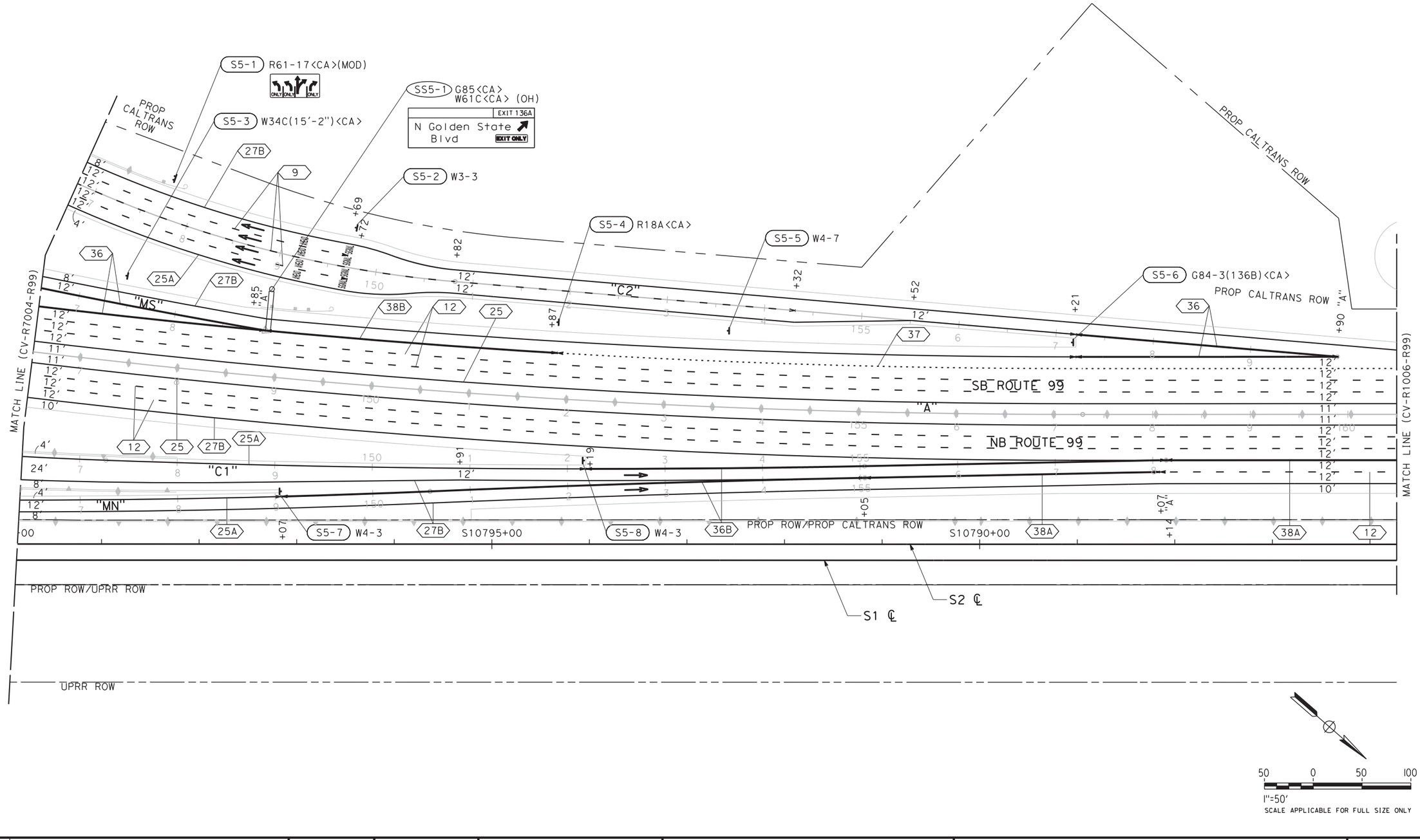
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SHEET NO.

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ychiu

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY G. MANOREK
DRAWN BY C. CHIU
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

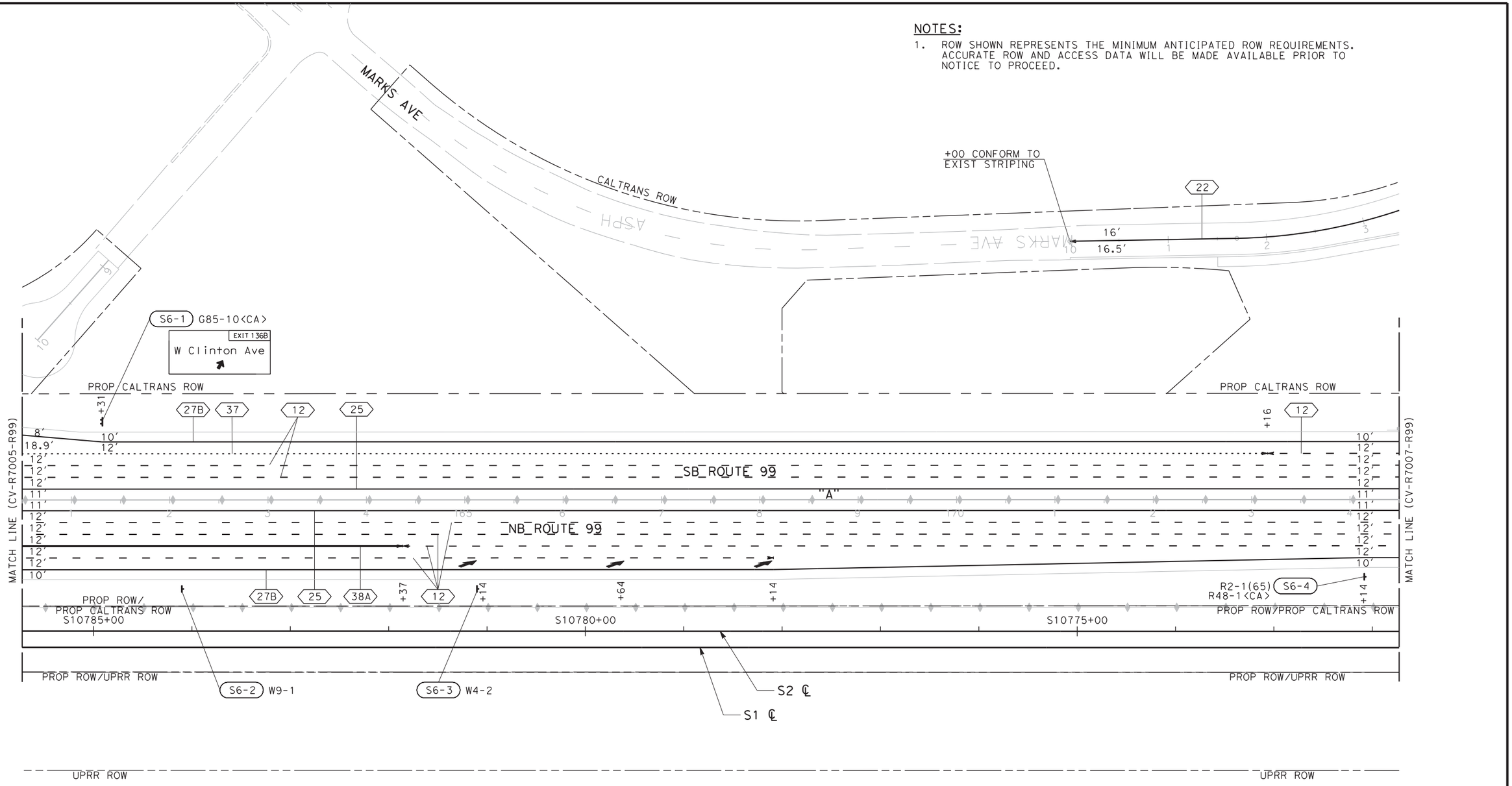
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-R7005-R99
SCALE AS SHOWN
SHEET NO.

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ychiu CAHSRP-r1.tbl CHSR_half_black.plt

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.




50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY C. CHIU
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

CONTRACT NO.

DRAWING NO. CV-R7006-R99

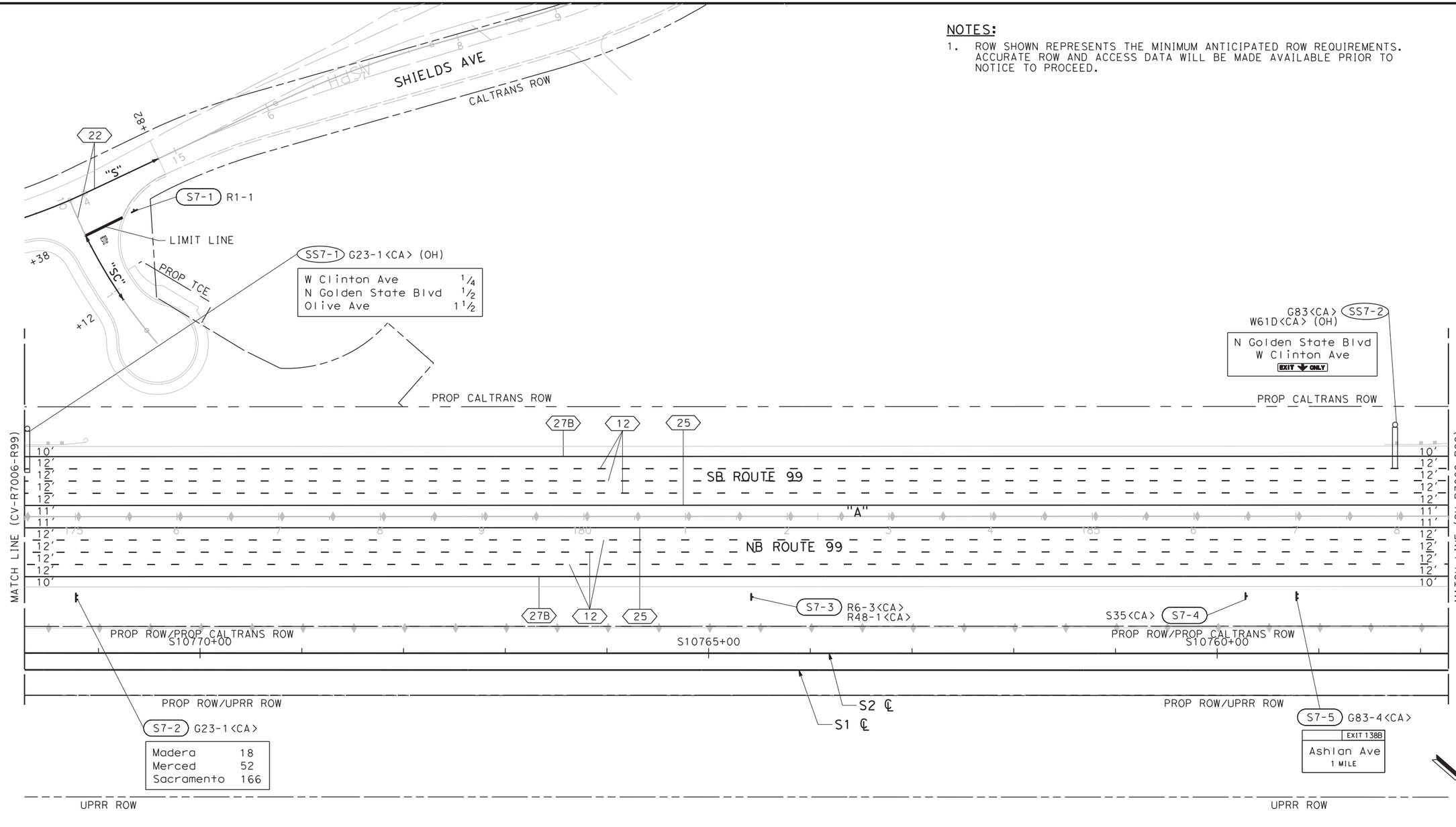
SCALE AS SHOWN

SHEET NO.

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**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.




50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY C. CHIU
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

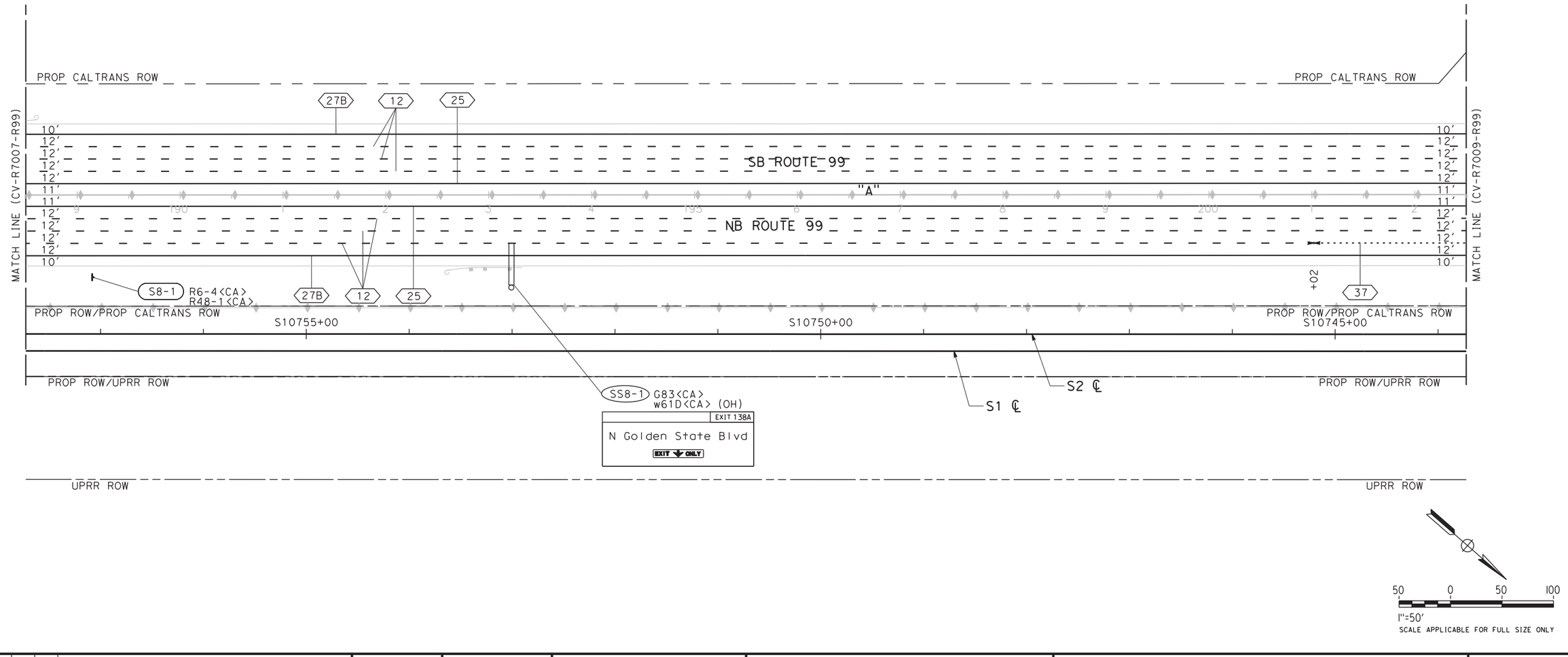
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-R7007-R99
SCALE AS SHOWN
SHEET NO.

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ychiu

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.




50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY C. CHIU
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

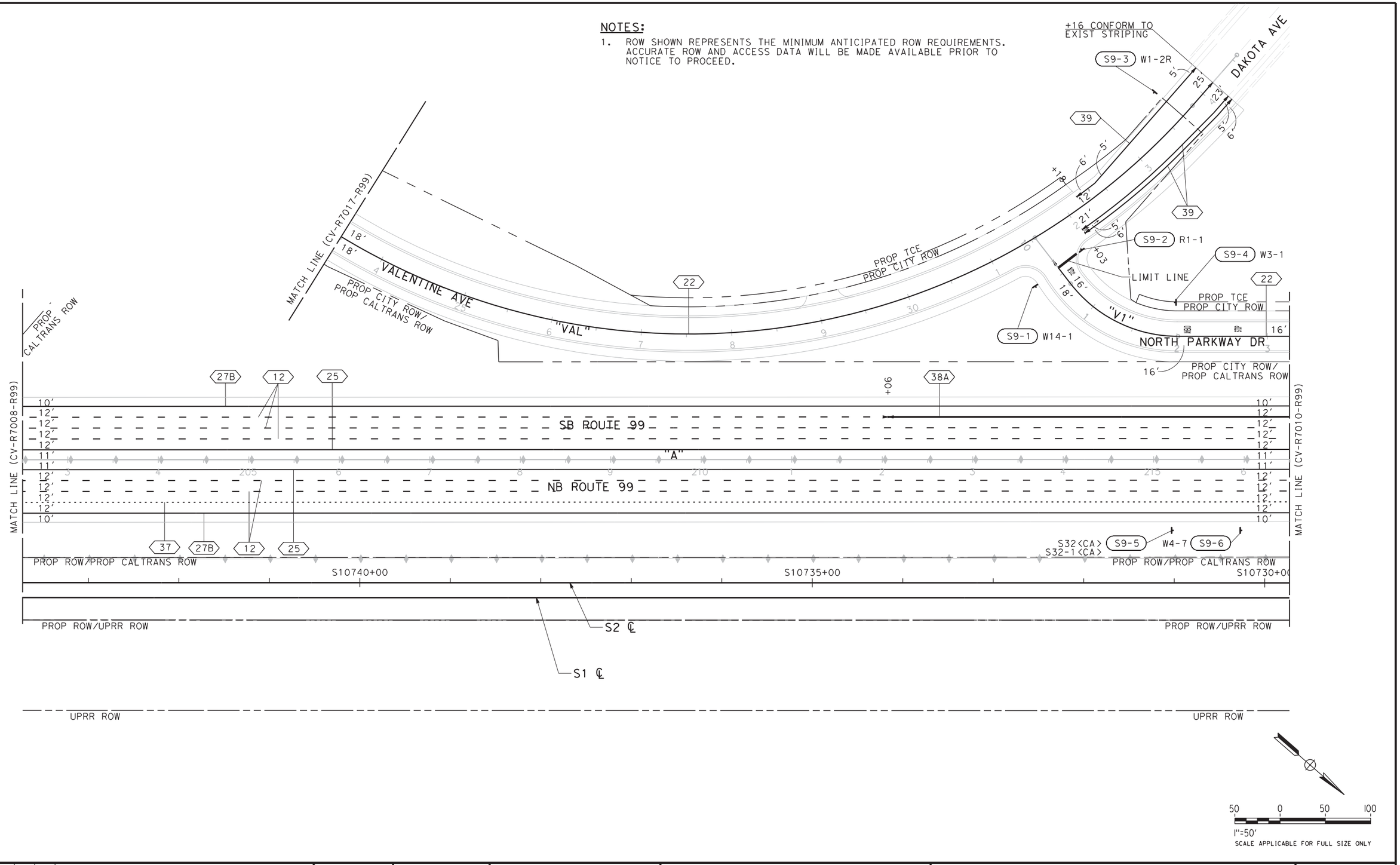
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-R7008-R99
SCALE AS SHOWN
SHEET NO.

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ychiu

**NOTES:**

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IN CHARGE F. NOBARI
DATE 11/22/11

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2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

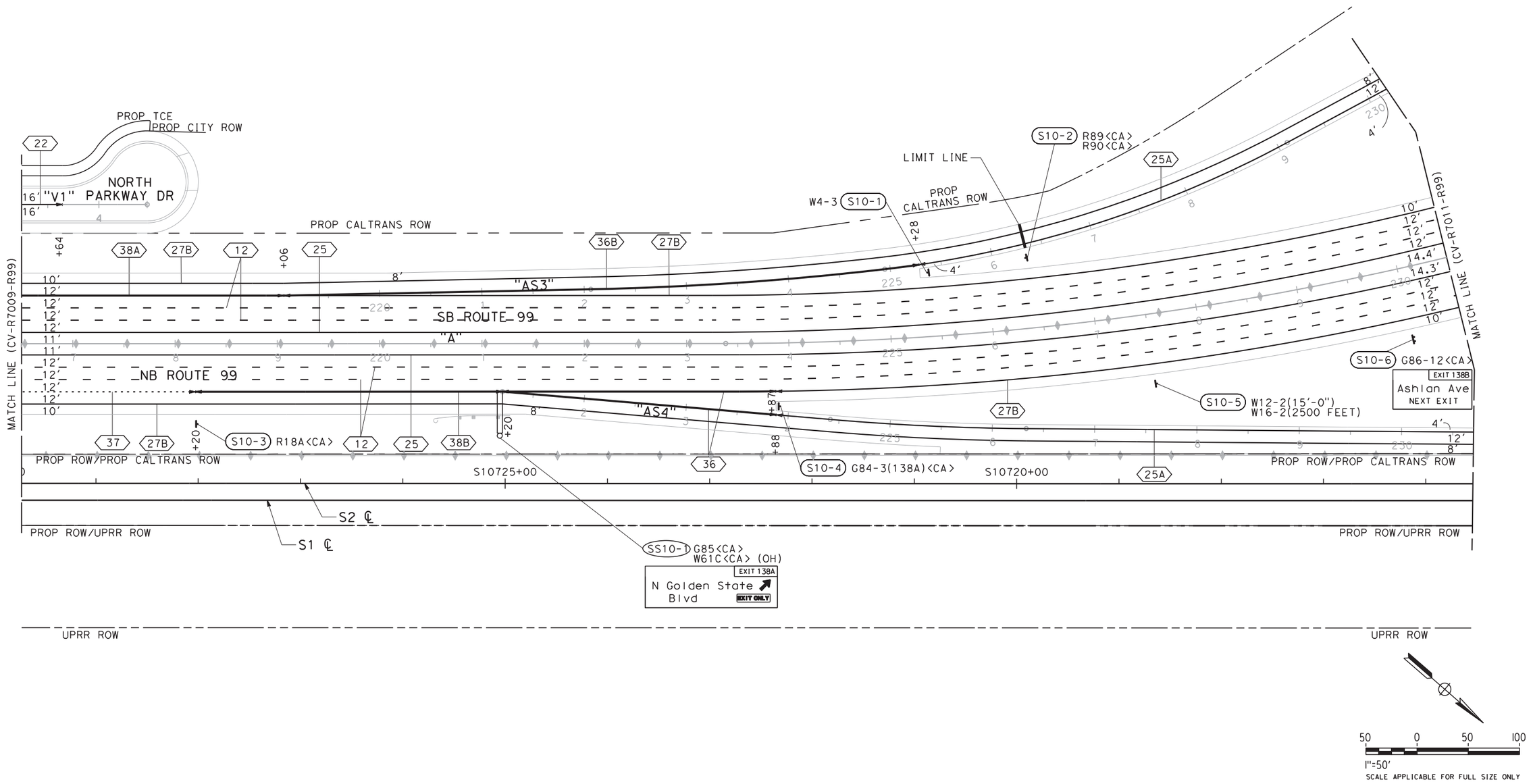
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-R7009-R99
SCALE AS SHOWN
SHEET NO.

NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY C. CHIU
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**


AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-R7010-R99
SCALE AS SHOWN
SHEET NO.


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sleong

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**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

CALTRANS ROW

PARKWAY DR

+25 CONFORM TO EXISTING STRIPING

+56 CONFORM TO EXISTING STRIPING

+30 CONFORM TO EXISTING STRIPING

+39 CONFORM TO EXISTING STRIPING

SB ROUTE 99

NB ROUTE 99

"AS3"

"AS4"

"A"

MATCH LINE (CV-R7010-R99)

MATCH LINE (CV-R7018-R99)

S11-1 R3-2 R5-10c

S11-2 R5-1 R5-1a

S11-3 R6-1L

S11-4 R3-1

S11-5 R1-1

S11-6 G22<CA>

S11-7 G92<CA> G28-2<CA> M3-3 M6-2

S11-8 W4-1

S11-9 G92<CA> G28-2(99)<CA> M3-3 M6-2

S11-10 W14-1

S11-11 S11-12 G92<CA> G28-2(99)<CA> M3-3 M6-2

(99) SOUTH LEFT TURN 800 FEET

PROP TCE

PROP CITY ROW

PROP ROW/PROP CITY ROW

PROP ROW/UPRR ROW

UPRR ROW

S1 ℄

S2 ℄

S10715+00

S10710+00

S10705+00

50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

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DATE 2/17/12

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Sacramento, CA 95811
CH2MHILL

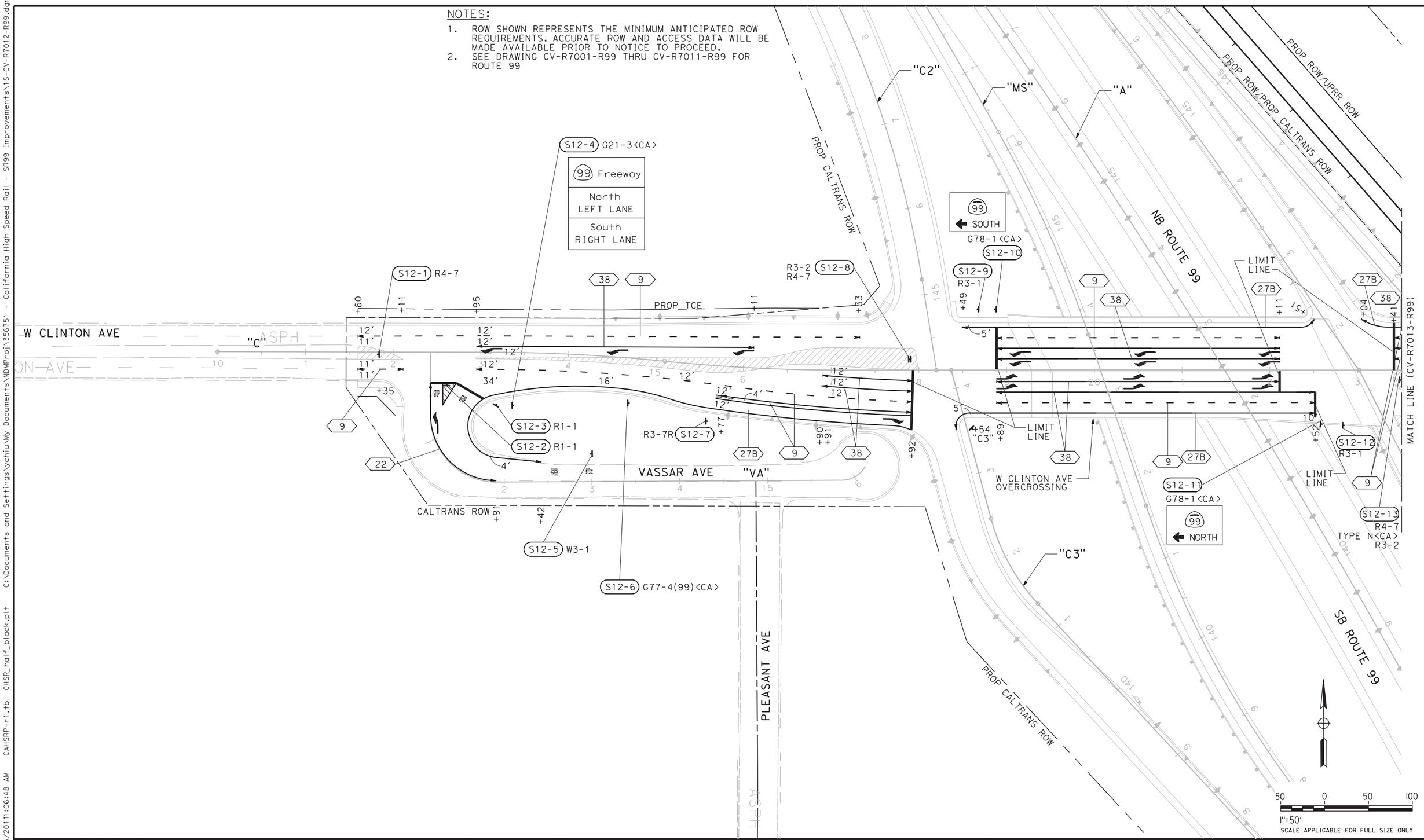
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-R7011-R99
SCALE AS SHOWN
SHEET NO.

NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE DRAWING CV-R7001-R99 THRU CV-R7011-R99 FOR ROUTE 99




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY G. MANOREK
DRAWN BY C. CHIU
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

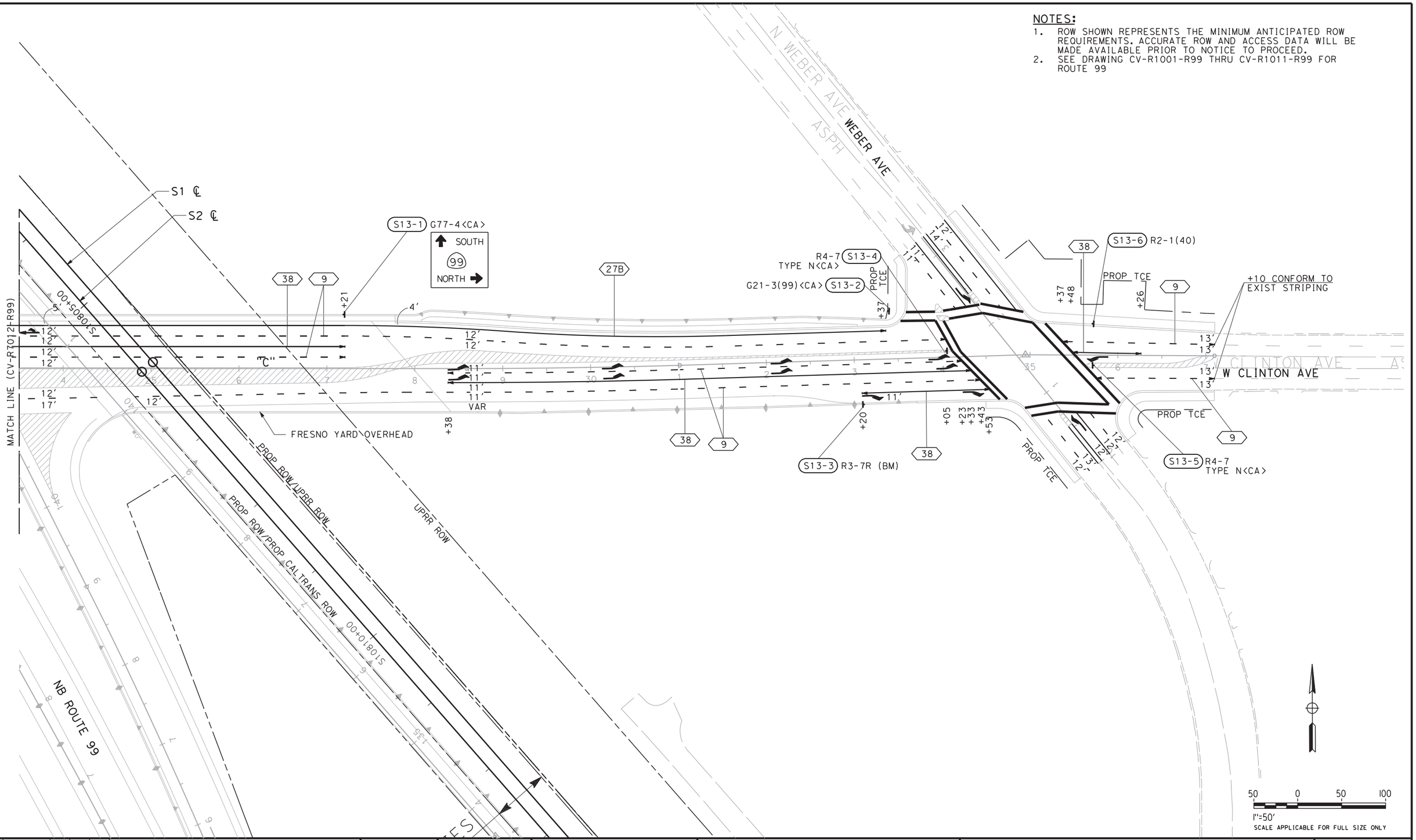
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SHEET NO.

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ychiu

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sleong

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE DRAWING CV-R1001-R99 THRU CV-R1011-R99 FOR ROUTE 99




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY G. MANOREK
DRAWN BY C. CHIU
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-R7013-R99
SCALE AS SHOWN
SHEET NO.

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MCKINLEY AVE

S2 ℄

S1 ℄

N GOLDEN STATE BLVD

S10840+00

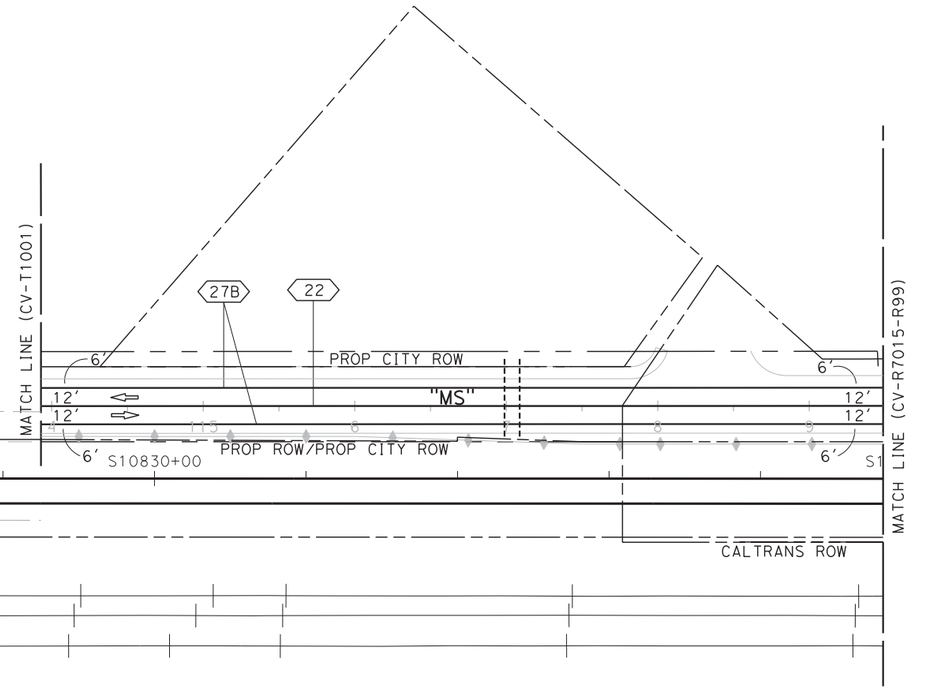
S10835+00

UPRR

WEBER AVE

**NOTES:**

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50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

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|---|---|---|---|---|---|

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DATE 11/22/11

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2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

CONTRACT NO.

DRAWING NO. CV-R7014-R99

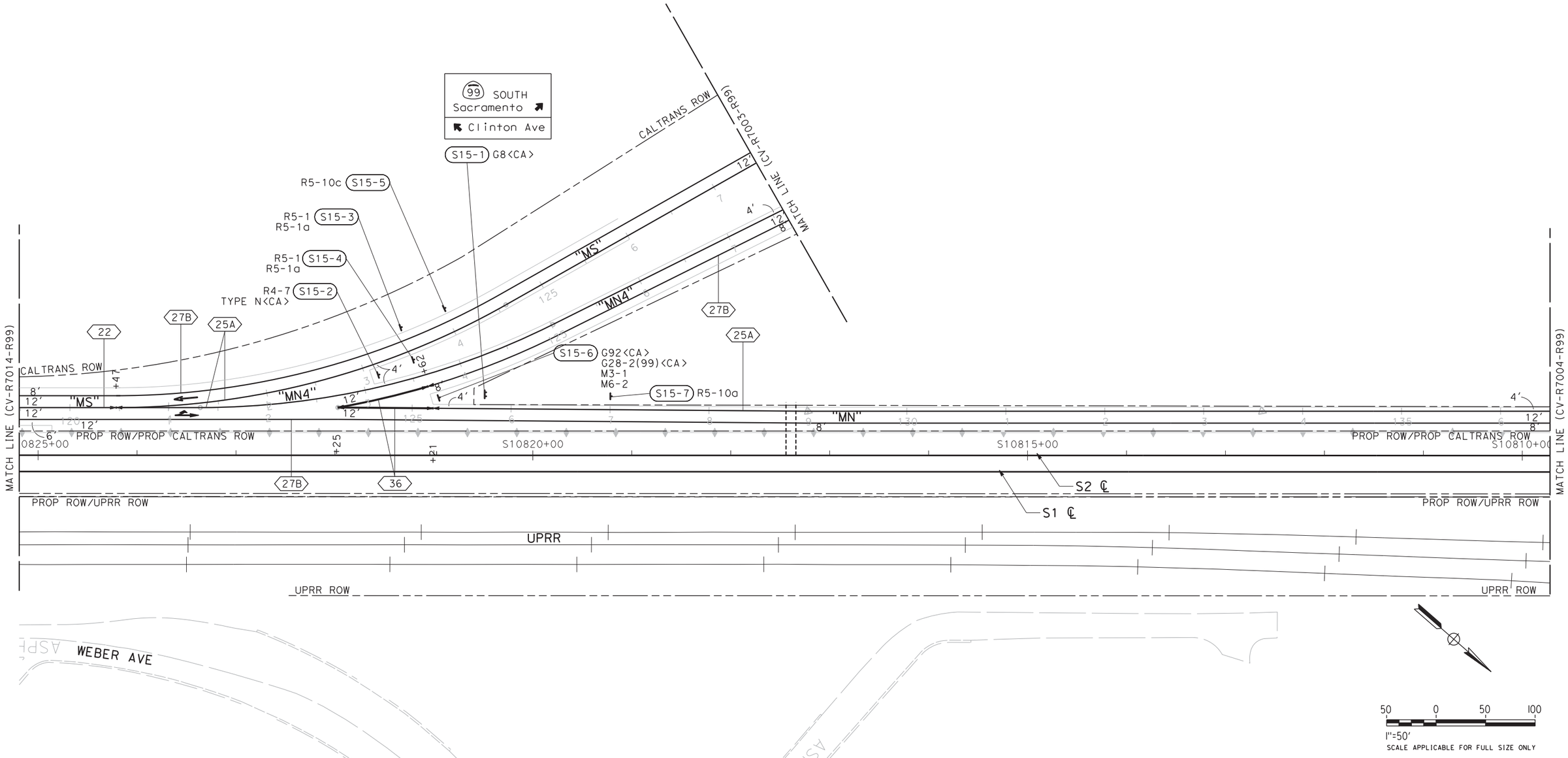
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**NOTES:**

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| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY C. CHIU
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

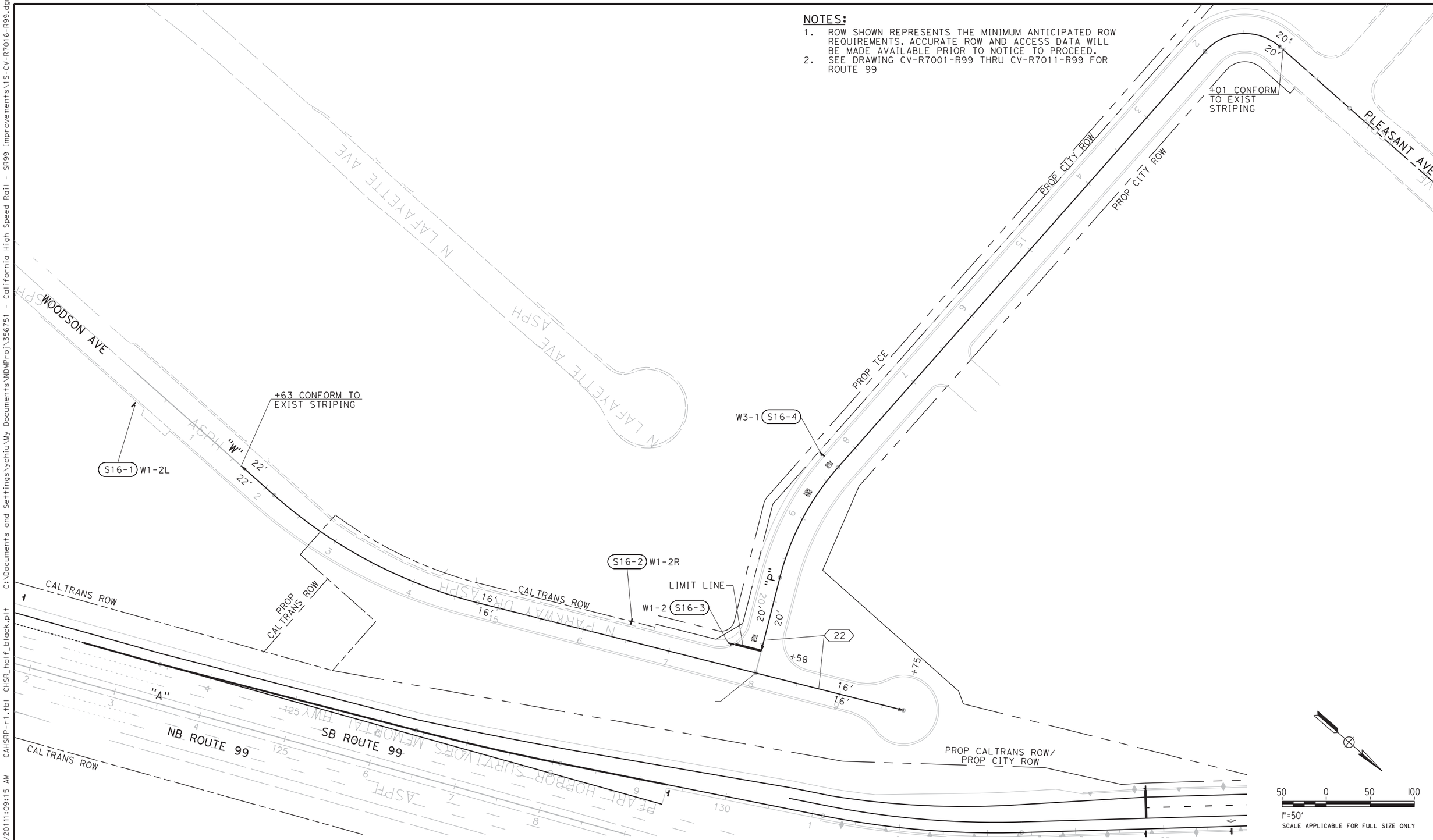
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-R7015-R99
SCALE AS SHOWN
SHEET NO.

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**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE DRAWING CV-R7001-R99 THRU CV-R7011-R99 FOR ROUTE 99




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY G. MANOREK
DRAWN BY C. CHIU
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

CONTRACT NO.

DRAWING NO. CV-R7016-R99

SCALE AS SHOWN

SHEET NO.

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**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE DRAWINGS CV-R7001-R99 THRU CV-R7011-R99 FOR ROUTE 99




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY G. MANOREK
DRAWN BY C. CHIU
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM
Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-R7017-R99
SCALE AS SHOWN
SHEET NO.

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NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

PROP ROW/UPRR ROW
UPRR ROW
00+569.01S
S1 ℄
S2 ℄
ASPH
G8<CA> S18-14
Northbound Golden State Blvd
Ashlan Ave
S18-1 G78-1<CA>
99 NORTH
S18-2 G92<CA>
G28-2(99)<CA>
M3-1
M6-2
CALTRANS ROW
G77-4(99)<CA>(BM) S18-12
R3-2 R4-7 S18-10
MATCH LINE (CV-R1011-GSB)
S18-11 R14-1 M6-6
R4-7 TYPE N<CA> S18-4
"AS4"
00+00.10S
"AS"
S18-15 W3-3
MATCH LINE (CV-R7019-R99)
GOLDEN STATE BLVD
PROP ROW/UPRR ROW
WEBER AVE
ASHLAN AVE
+30 CONFORM TO EXIST STRIPING
R3-1 S18-5
R6-1L R6-1R S18-6
R5-1 R5-1a S18-7
G78-1<CA> S18-3
99 SOUTH
HWY 99
CA HWY 99
"AS5"
+00
S18-9 R6-1L R6-1R
S18-8 R5-1 R5-1a
S18-13 R2-1(40)
ASPH
PROP ROW/ PROP CITY ROW
PROP CITY ROW
MATCH LINE (CV-R7011-R99)
UPRR ROW
CALTRANS ROW
50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY C. CHIU
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

PROPOSED PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

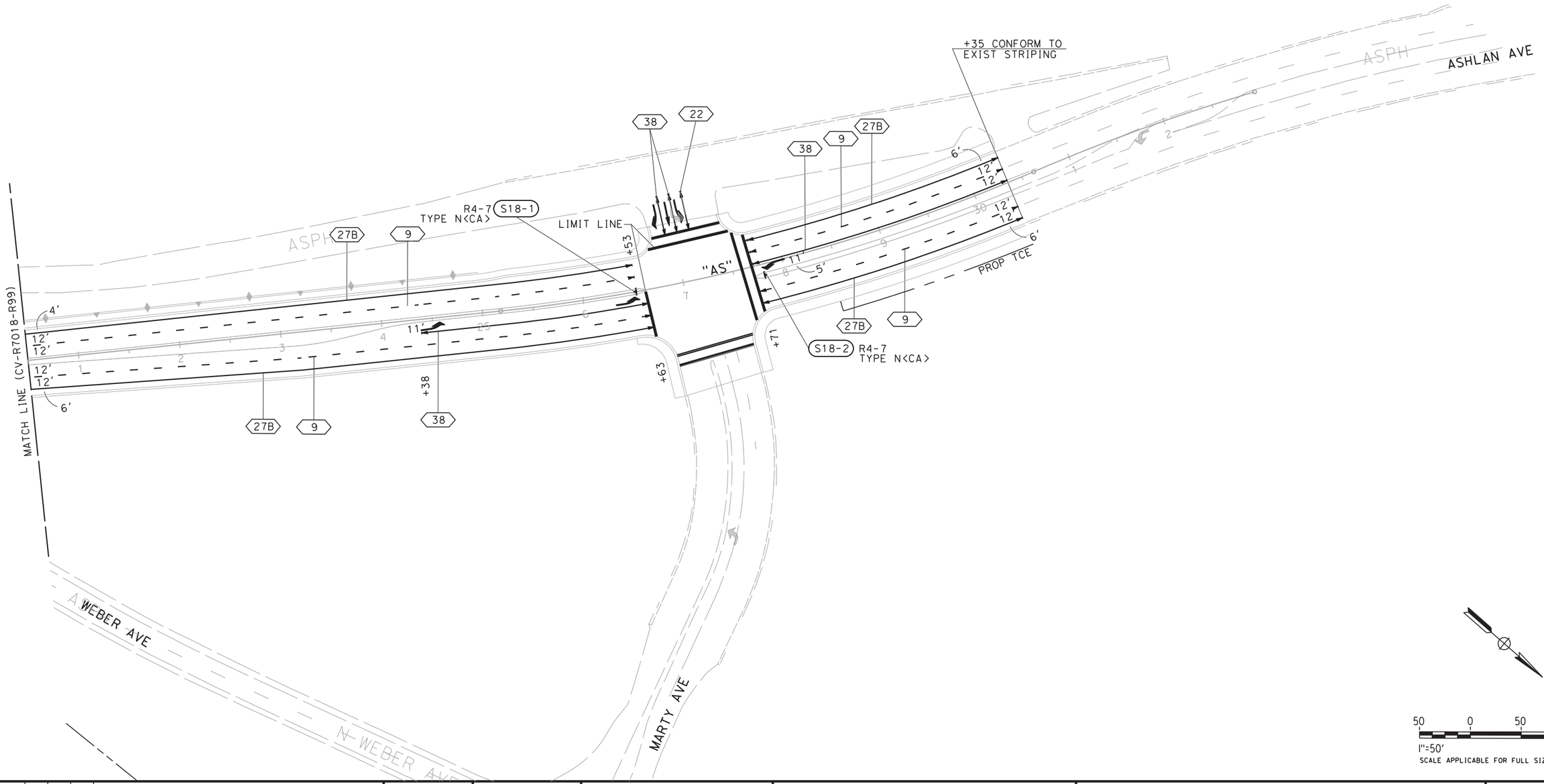
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-R7018-R99
SCALE AS SHOWN
SHEET NO.

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**NOTES:**

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50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY G. MANOREK
DRAWN BY C. CHIU
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-R7019-R99
SCALE AS SHOWN
SHEET NO.

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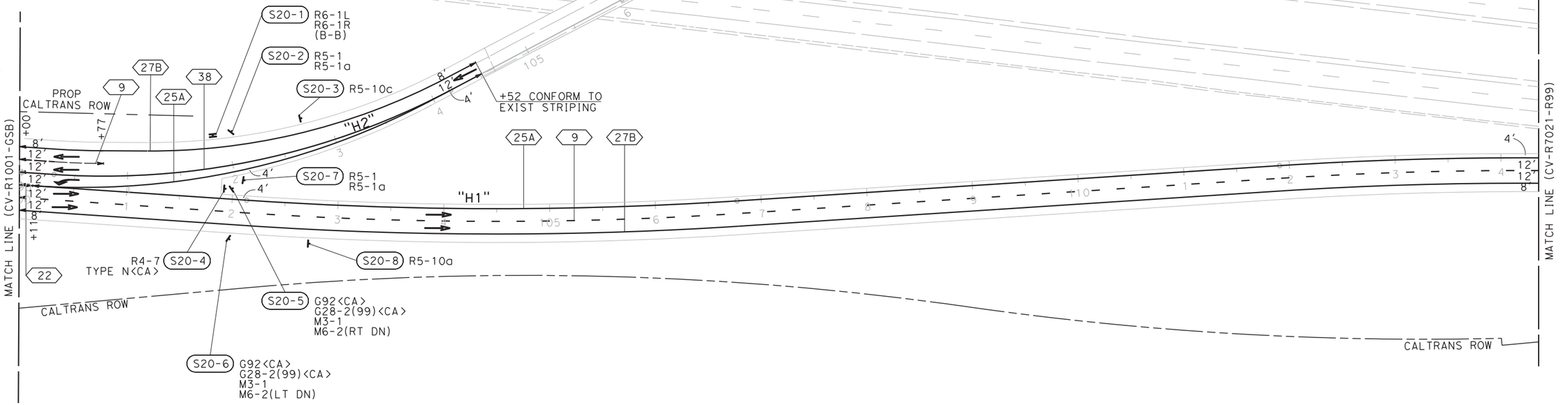
CALTRANS ROW

SB ROUTE 99

NB ROUTE 99

**NOTES:**

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50 0 50 100

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|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY G. MANOREK
DRAWN BY C. CHIU
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

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AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

CONTRACT NO.

DRAWING NO. CV-R7020-R99

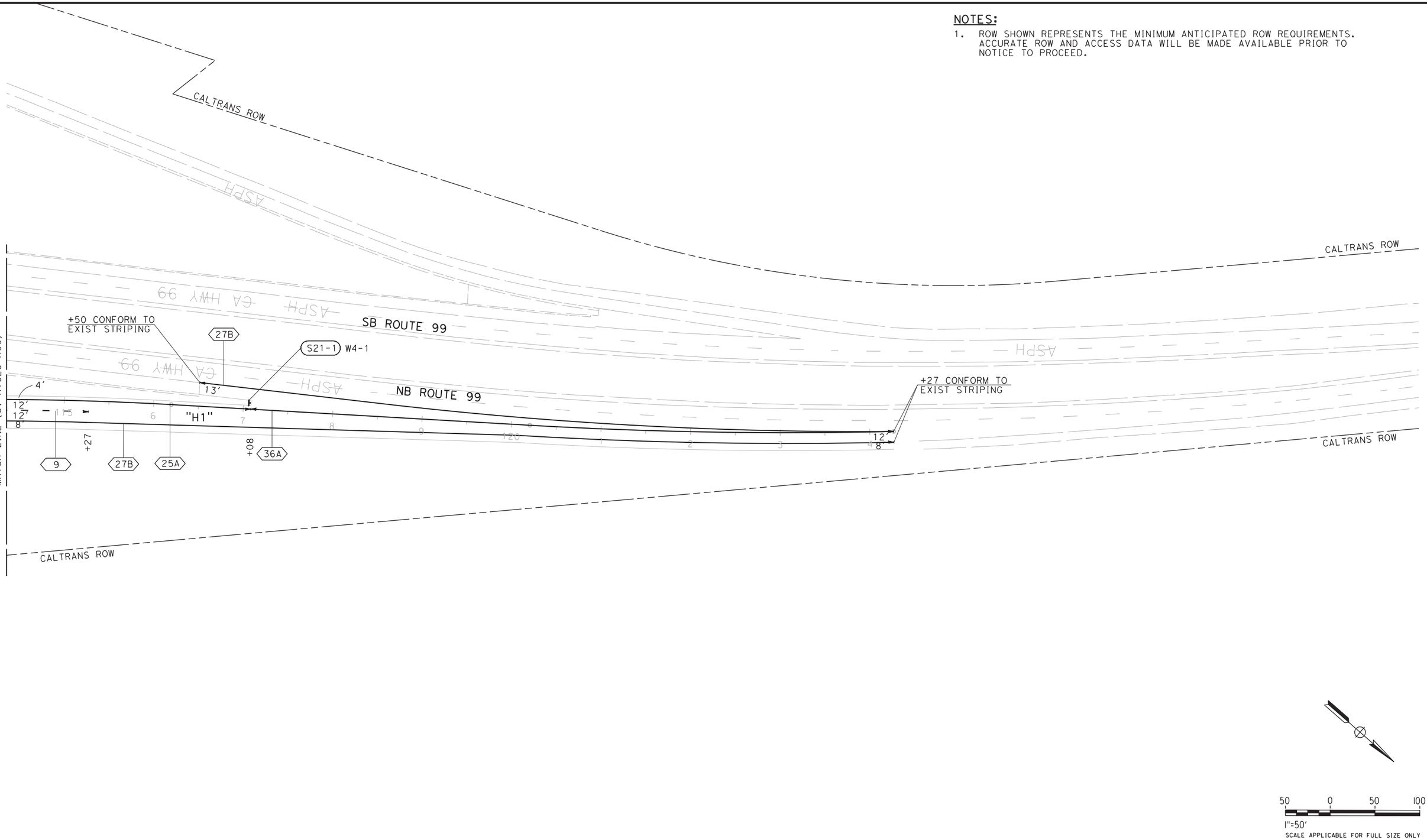
SCALE AS SHOWN

SHEET NO.

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**NOTES:**

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| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY G. MANOREK
DRAWN BY C. CHIU
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
PAVEMENT DELINEATION AND SIGNING
SR 99 RE-ALIGNMENT

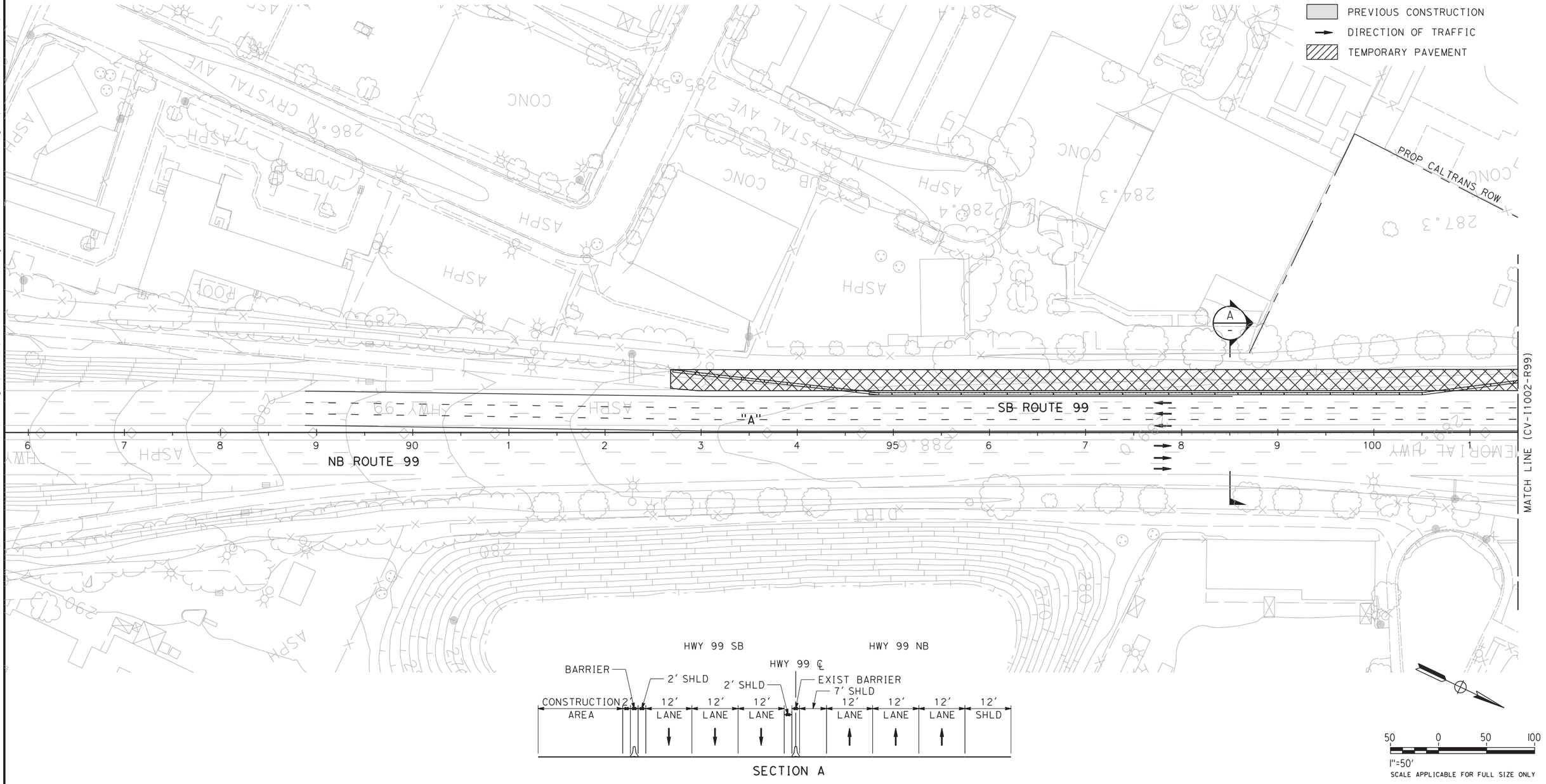
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SCALE AS SHOWN
SHEET NO.

NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

LEGEND:

- STAGE 1A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




SECTION A

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**


AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL


CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1A
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1001-R99
SCALE AS SHOWN
SHEET NO.


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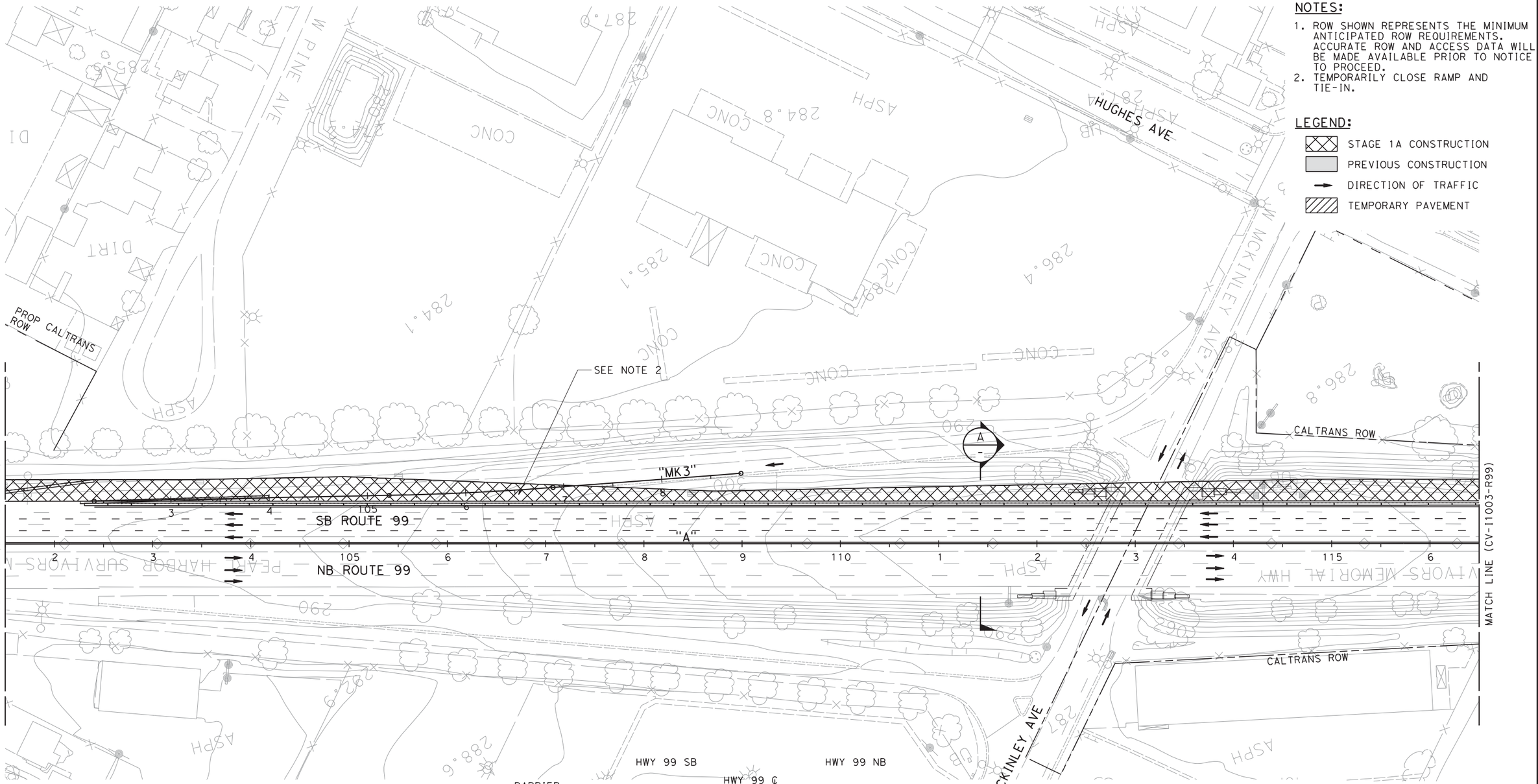
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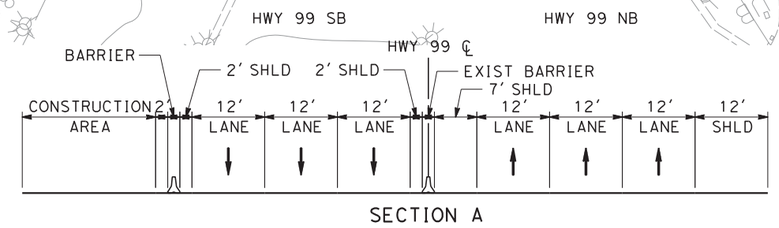
## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. TEMPORARILY CLOSE RAMP AND TIE-IN.

## LEGEND:

- STAGE 1A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




SECTION A

50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1A
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1002-R99
SCALE AS SHOWN
SHEET NO.

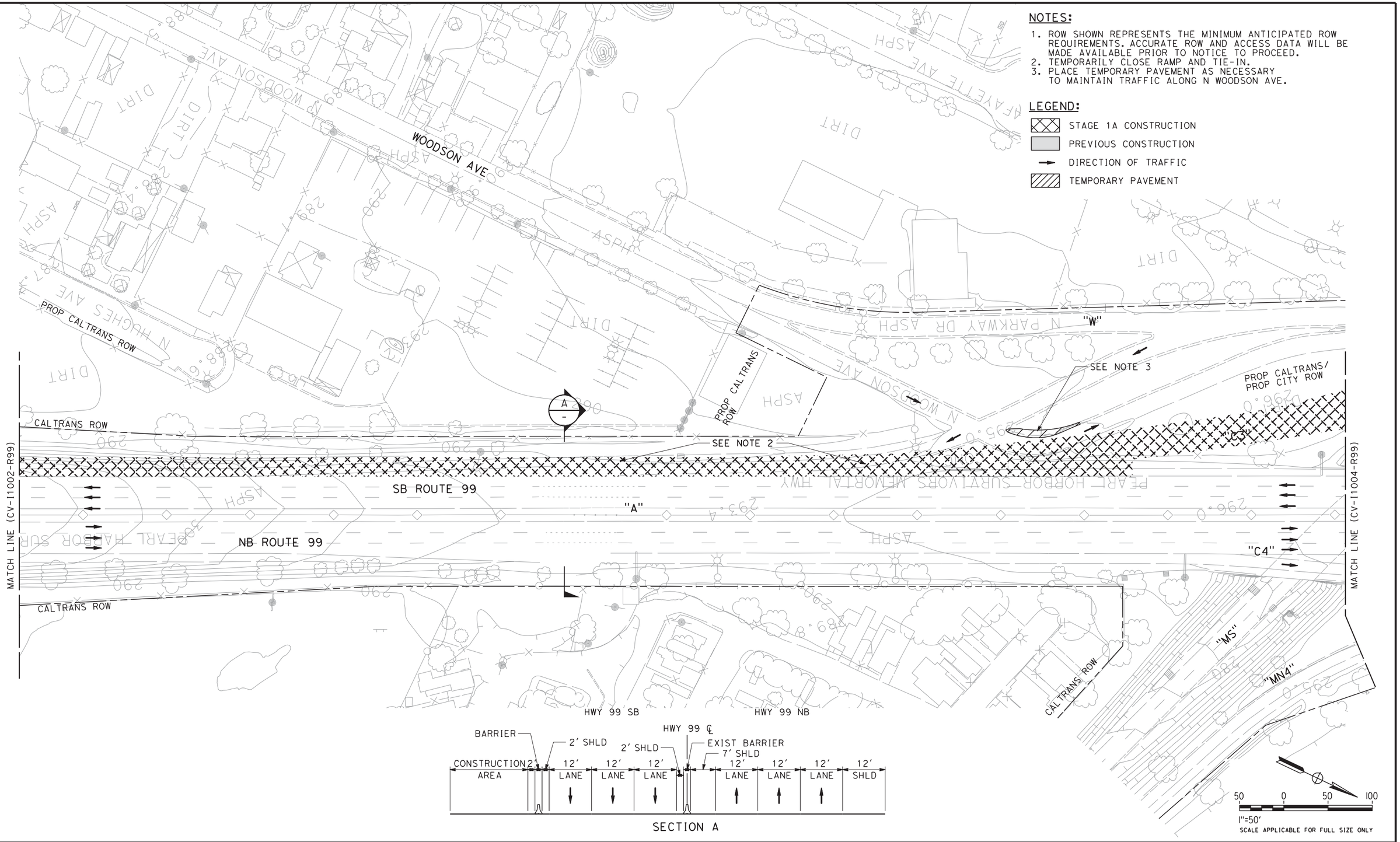
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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. TEMPORARILY CLOSE RAMP AND TIE-IN.
3. PLACE TEMPORARY PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC ALONG N WOODSON AVE.

## LEGEND:

- STAGE 1A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT







SECTION A

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300 Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1A
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1003-R99
SCALE AS SHOWN
SHEET NO.

2/13/2012 10:00:48 AM CAHSRP-R1.TBL CHSR_half_black-pdf995.prn sleong

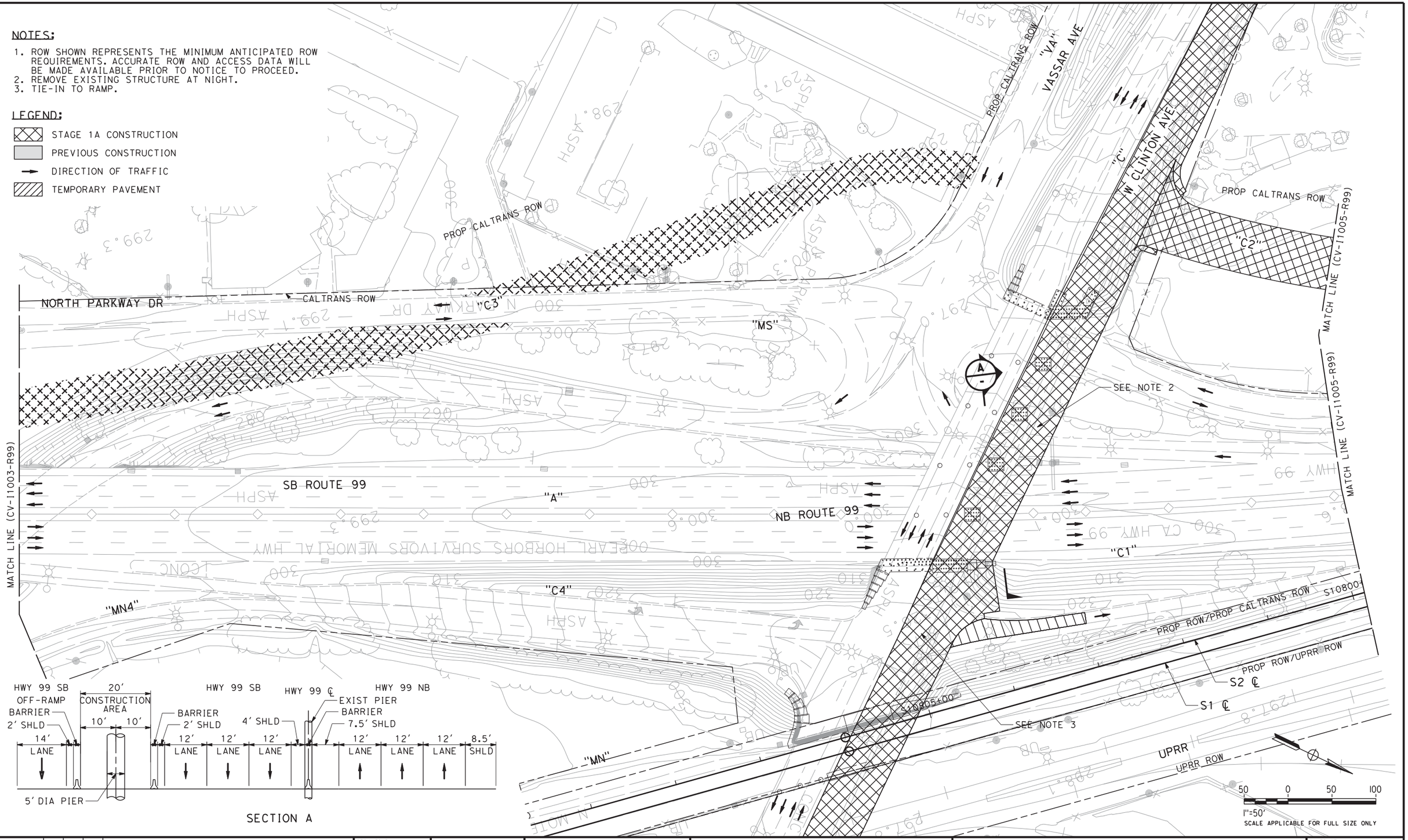
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NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. REMOVE EXISTING STRUCTURE AT NIGHT.
3. TIE-IN TO RAMP.

LEGEND:

- STAGE 1A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT







SECTION A

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: C. BENSON
DRAWN BY: R. MEZA
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1A
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1004-R99
SCALE AS SHOWN
SHEET NO.

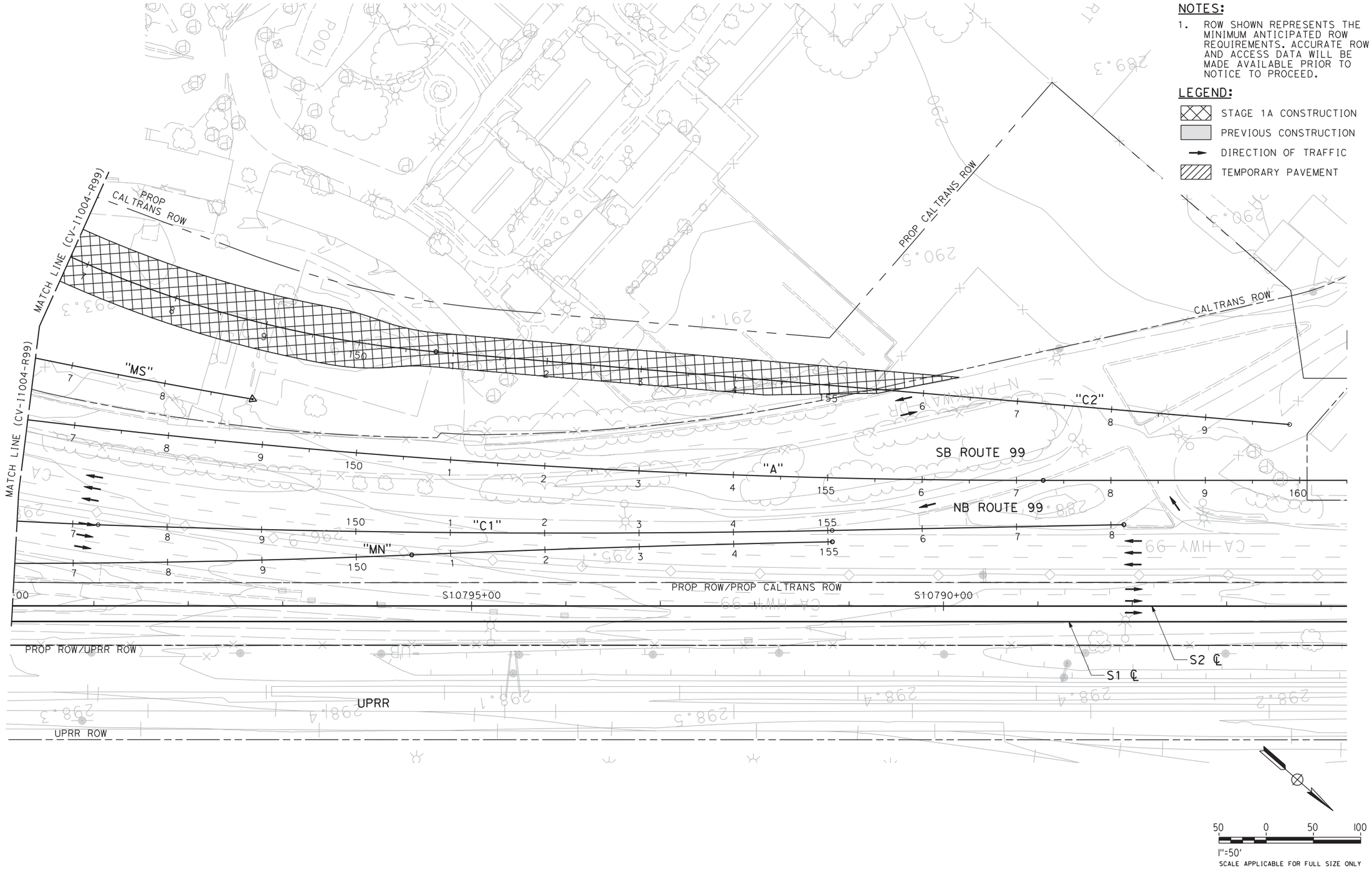
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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

## LEGEND:

- STAGE 1A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1A
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1005-R99
SCALE AS SHOWN
SHEET NO.

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NOTES:

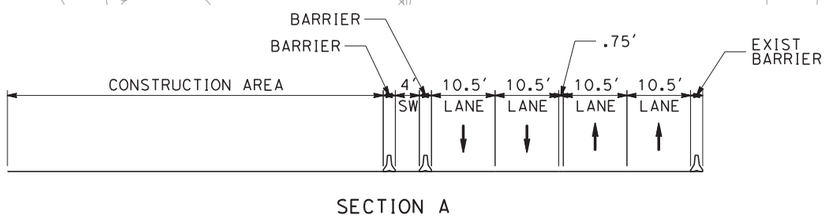
1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. TEMPORARILY CLOSE RAMP AND TIE-IN.

LEGEND:

- STAGE 1A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

**BEGIN CONSTRUCTION**
"C" 10+00.00 POB

"C"
"C2"
"MS"
"A"
"MN"
"C1"
"VA"
"C3"
SEE NOTE 2
PROP CALTRANS ROW
PROP ROW/UPRR ROW
PROP ROW/PROP CALTRANS ROW
NB ROUTE 99
SB ROUTE 99
MATCH LINE (CV-I1007-R99)
W CLINTON AVE
W VASSAR AVE
VASSAR AVE
CALTRANS ROW
PLEASANT AVE
N PARKWAY DR
POOL
RUIN
ASPH
UBC
CA HWY 99




SECTION A

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

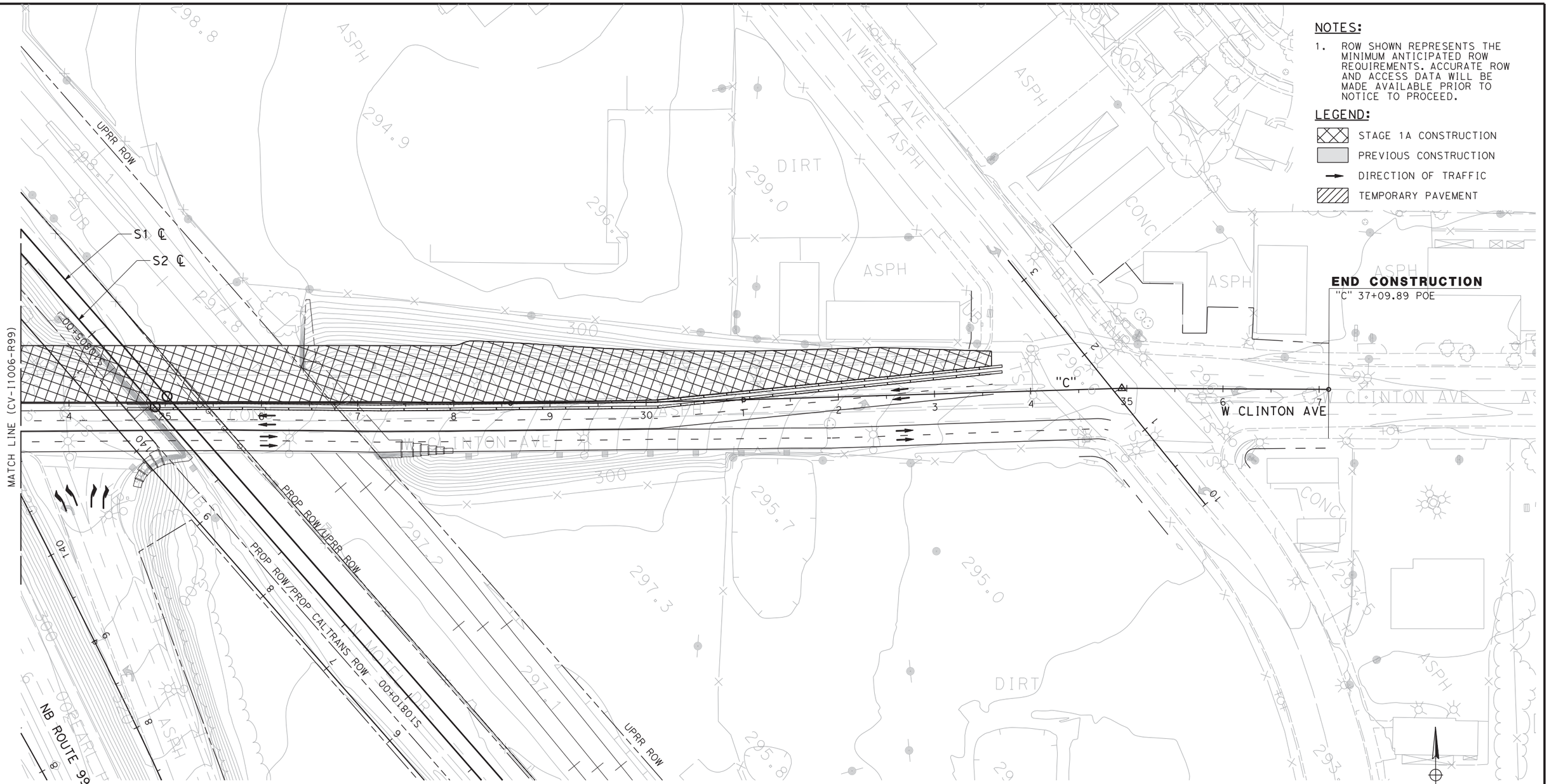
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1A
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1006-R99
SCALE AS SHOWN
SHEET NO.

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NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

LEGEND:

- STAGE 1A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1A
SR 99 RE-ALIGNMENT

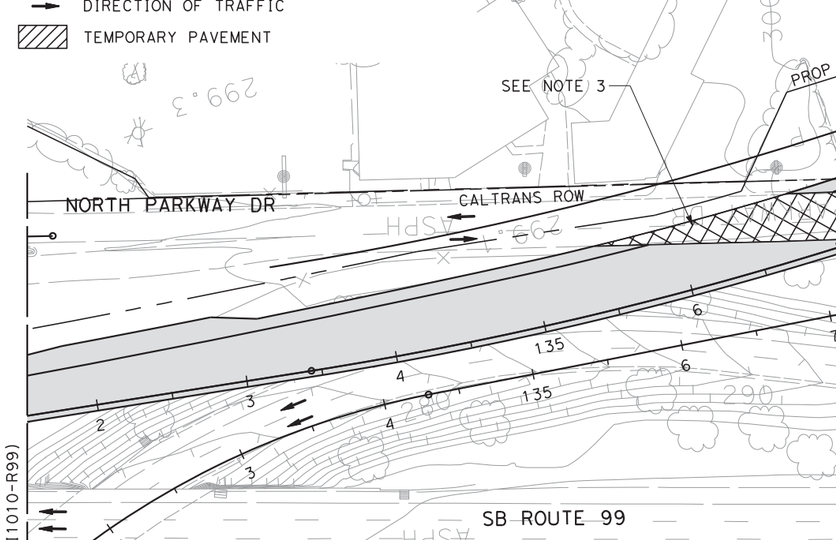
CONTRACT NO.
DRAWING NO. CV-I1007-R99
SCALE AS SHOWN
SHEET NO.

NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SHIFT SB ROUTE 99 LANES FOLLOWING REMOVAL OF EXISTING PIERS.
3. SHIFT TRAFFIC AS NECESSARY AND TIE-IN RAMP AT END OF STAGE.

LEGEND:

- STAGE 1B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




SECTION A




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: C. BENSON
DRAWN BY: R. MEZA
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1008-R99
SCALE AS SHOWN
SHEET NO.

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sleong

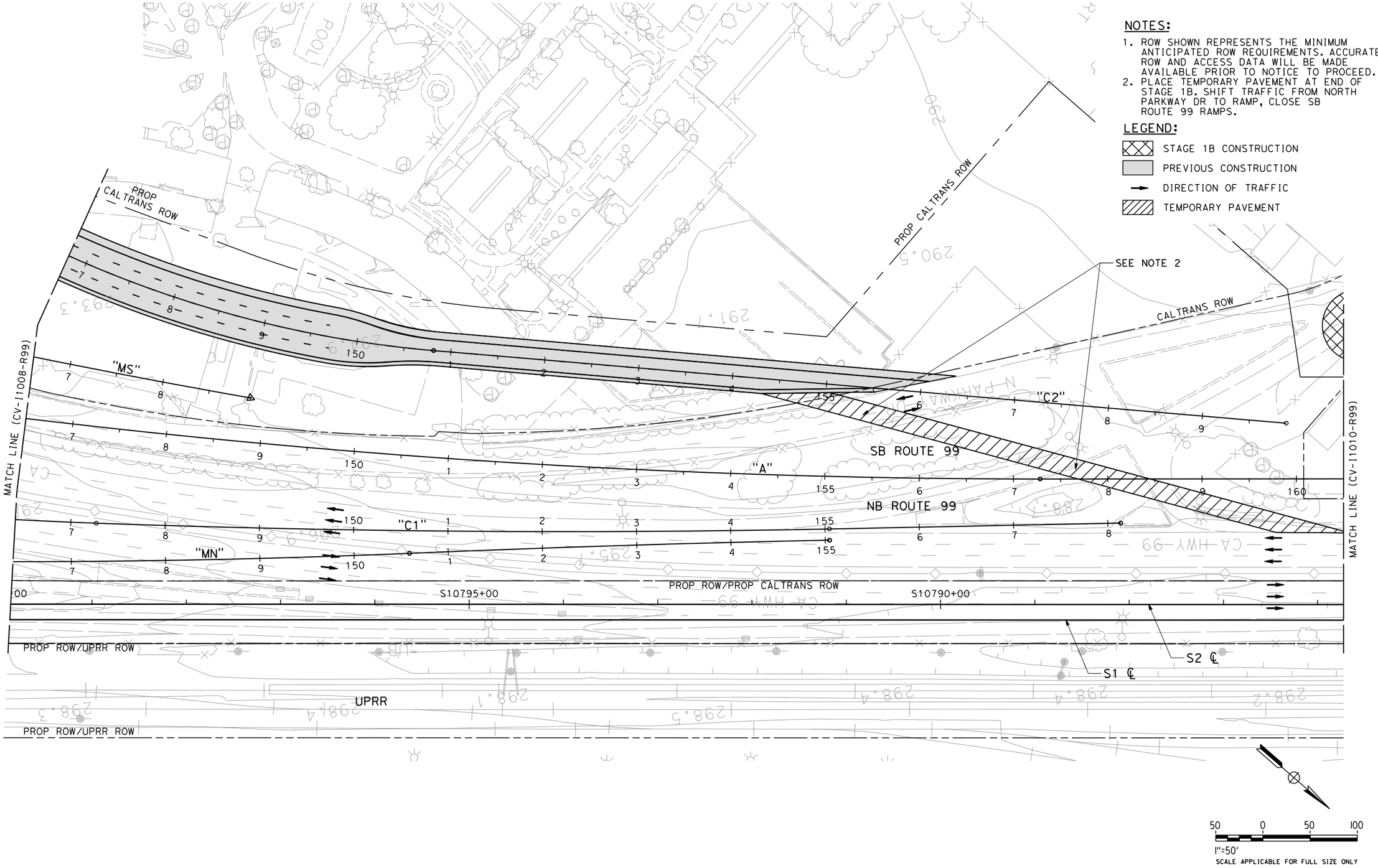
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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. PLACE TEMPORARY PAVEMENT AT END OF STAGE 1B. SHIFT TRAFFIC FROM NORTH PARKWAY DR TO RAMP, CLOSE SB ROUTE 99 RAMPS.

## LEGEND:

- STAGE 1B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: C. BENSON
DRAWN BY: R. MEZA
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

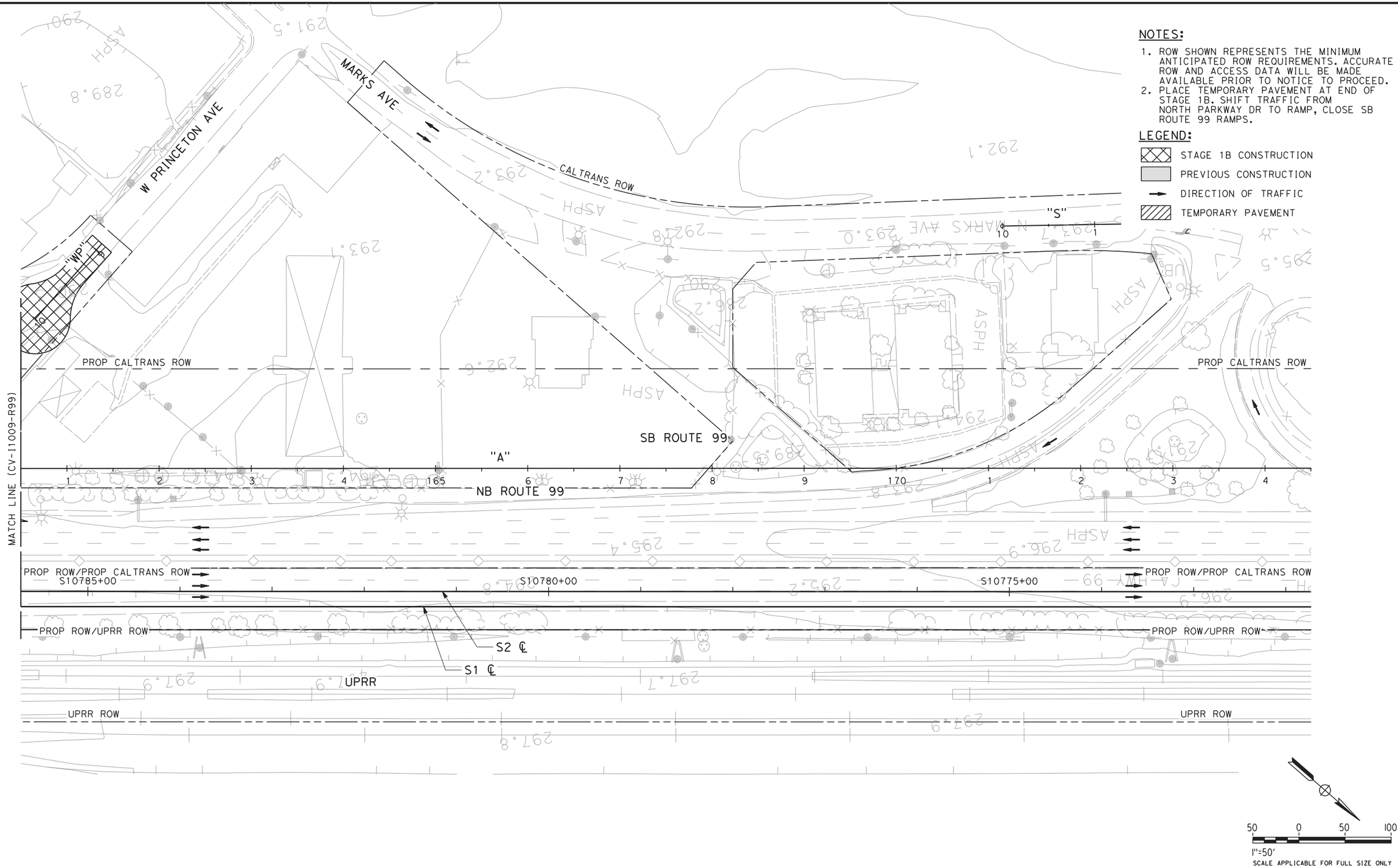
AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1009-R99
SCALE AS SHOWN
SHEET NO.

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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. PLACE TEMPORARY PAVEMENT AT END OF STAGE 1B. SHIFT TRAFFIC FROM NORTH PARKWAY DR TO RAMP, CLOSE SB ROUTE 99 RAMPS.

## LEGEND:

- STAGE 1B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: C. BENSON
DRAWN BY: R. MEZA
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1010-R99
SCALE AS SHOWN
SHEET NO.

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NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. TEMPORARILY CLOSE VASSAR AVE AND NORTH PARKWAY DR AND TIE-IN AT END OF STAGE 1B.
3. SHIFT TRAFFIC AS NECESSARY TO CONSTRUCT TIE-IN ALONG CLINTON AVE AND VASSAR AVE.

LEGEND:

- STAGE 1B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

**BEGIN CONSTRUCTION**
"C" 10+00.00 POB

W CLINTON AVE

VASSAR AVE

CALTRANS ROW

PROP CALTRANS ROW

PROP ROW/UPRR ROW

PROP ROW/PROP CALTRANS ROW

NB ROUTE 99

SB ROUTE 99

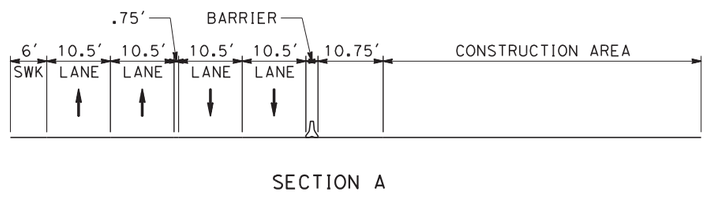
PLEASANT AVE

N PARKWAY DR

SEE NOTE 2

SEE NOTE 3

MATCH LINE (CV-I1012-R99)




SECTION A

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
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CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1011-R99
SCALE AS SHOWN
SHEET NO.

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NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SHIFT TRAFFIC AS NECESSARY TO CONSTRUCT TIE-IN.

LEGEND:

- STAGE 1B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

**END CONSTRUCTION**
"C" 37+09.89 POE

MATCH LINE (CV-I1011-R99)

S1 ℄
S2 ℄
00+50.80 S1
PROP ROW/UPRR ROW
PROP ROW/PROP CALTRANS ROW 00+01.80 S1
UPRR ROW
"C"
W CLINTON AVE
N WEBER AVE
SEE NOTE 2
NB ROUTE 99
ASPH
DIRT
CONC

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM
Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1B
SR 99 RE-ALIGNMENT

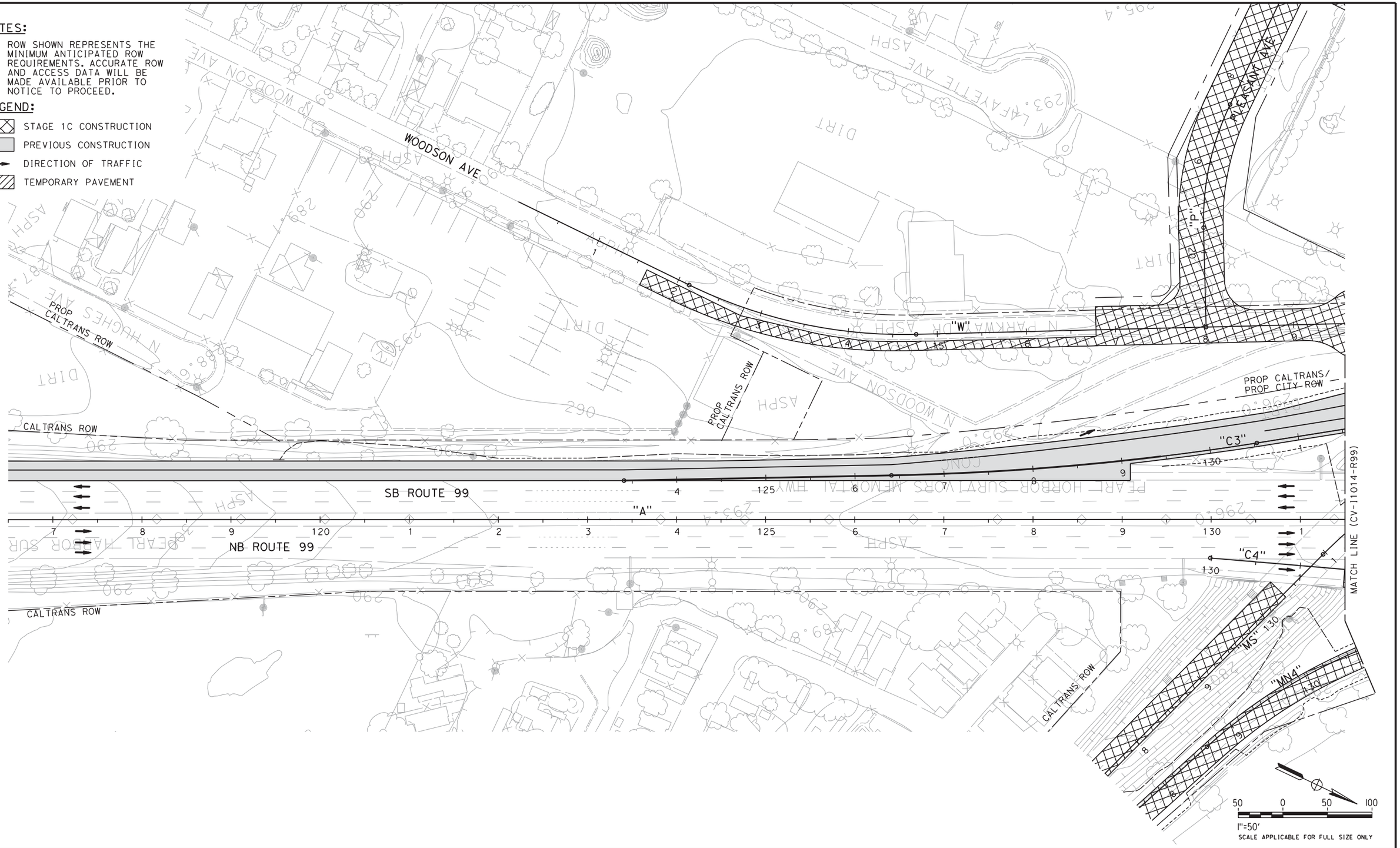
CONTRACT NO.
DRAWING NO. CV-I1012-R99
SCALE AS SHOWN
SHEET NO.

NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

LEGEND:

- STAGE 1C CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1C
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1013-R99
SCALE AS SHOWN
SHEET NO.

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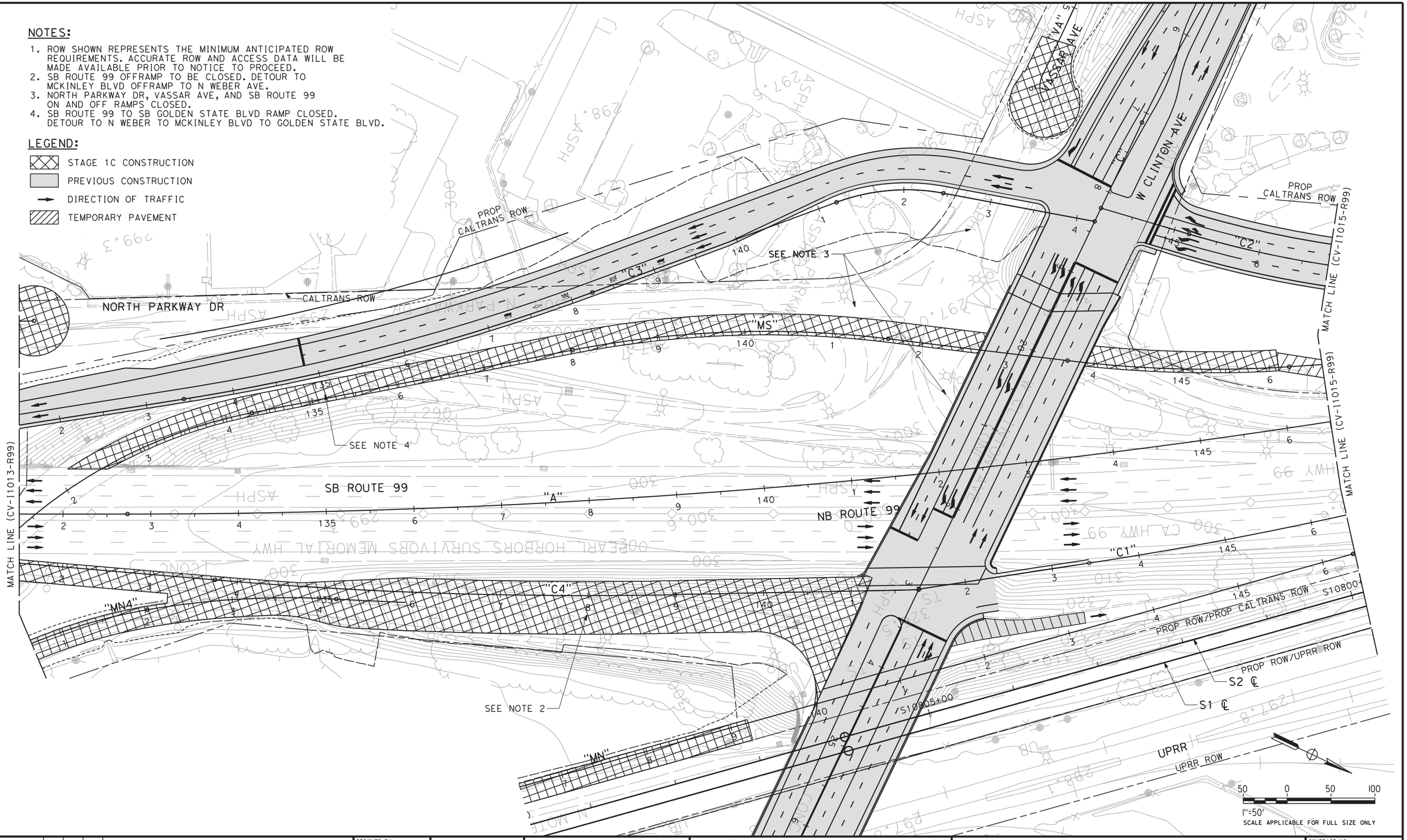
2/14/2012 11:00:17 AM CAHSRP-R1.TBL CHSR_half_black-pdf995.prn Documents and Settings\sleong\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-I1014-STG1C-R99 sleong

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SB ROUTE 99 OFFRAMP TO BE CLOSED. DETOUR TO MCKINLEY BLVD OFFRAMP TO N WEBER AVE.
3. NORTH PARKWAY DR, VASSAR AVE, AND SB ROUTE 99 ON AND OFF RAMPS CLOSED.
4. SB ROUTE 99 TO SB GOLDEN STATE BLVD RAMP CLOSED. DETOUR TO N WEBER TO MCKINLEY BLVD TO GOLDEN STATE BLVD.

## LEGEND:

- STAGE 1C CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1C
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1014-R99
SCALE AS SHOWN
SHEET NO.

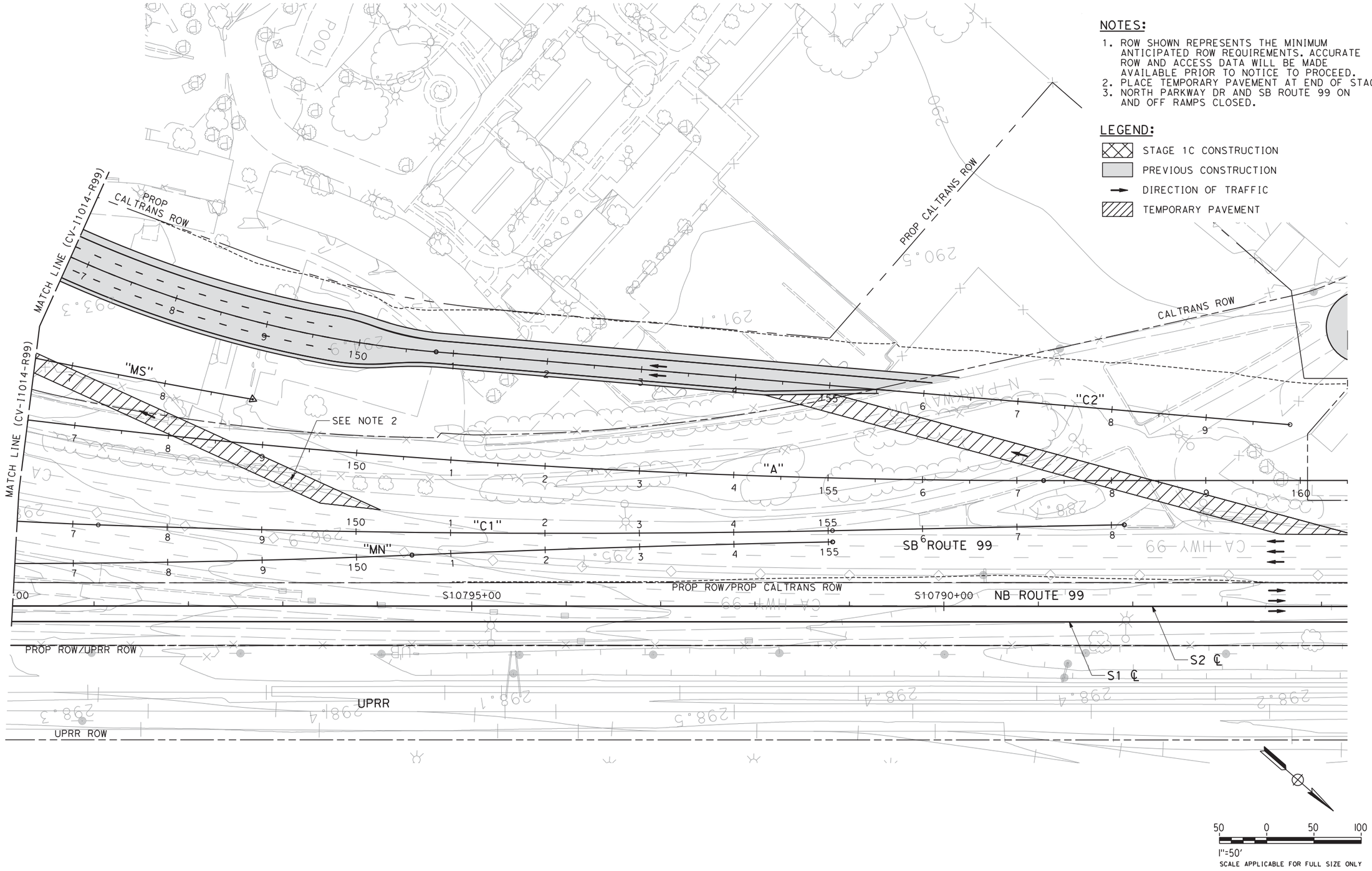
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sleong 2/13/2012 1:00:24 PM CAHSRP-R1.TBL CHSR_half_black-pdf995.tbl

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. PLACE TEMPORARY PAVEMENT AT END OF STAGE.
3. NORTH PARKWAY DR AND SB ROUTE 99 ON AND OFF RAMPS CLOSED.

## LEGEND:

- STAGE 1C CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1C
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1015-R99
SCALE AS SHOWN
SHEET NO.

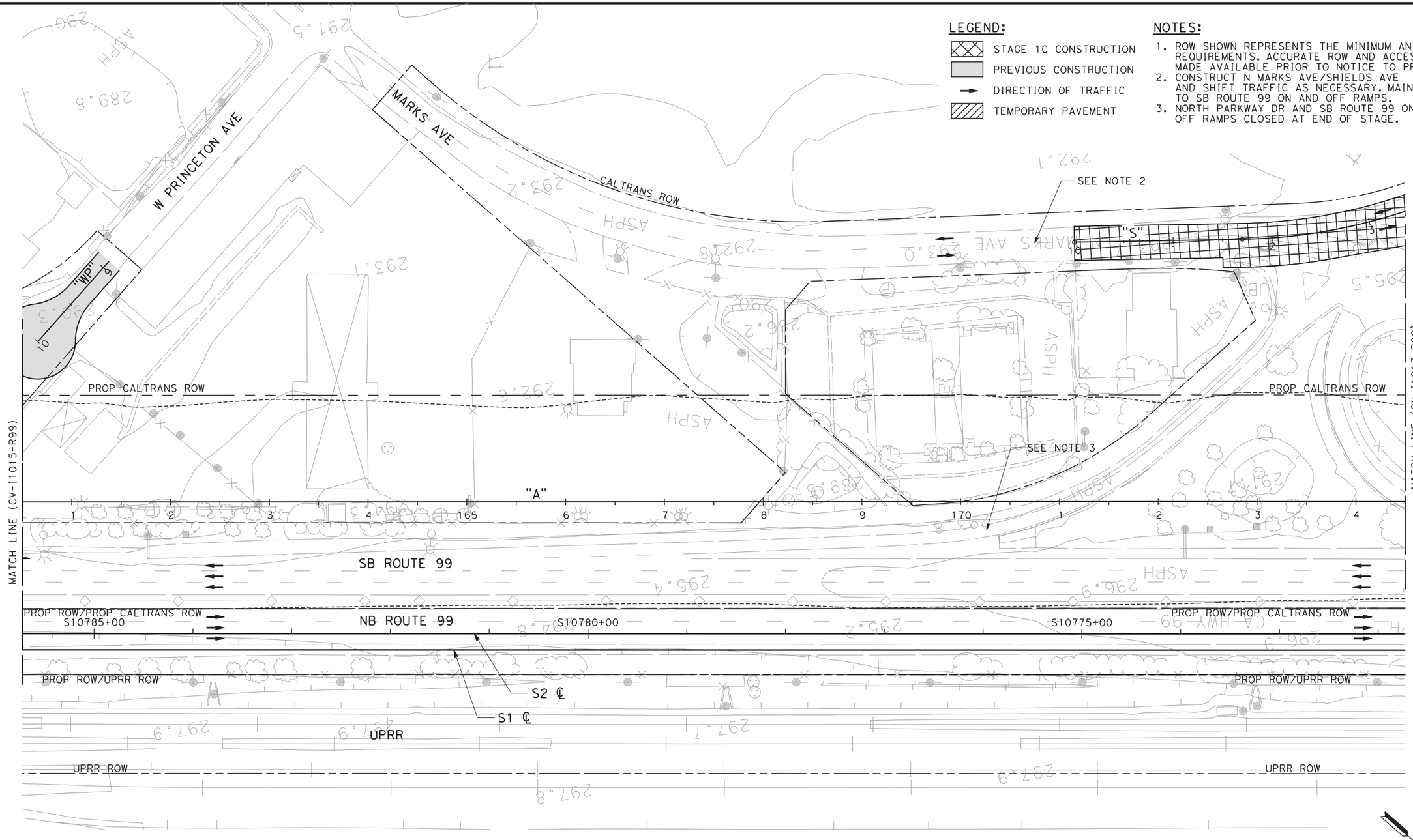
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**LEGEND:**

- STAGE 1C CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. CONSTRUCT N MARKS AVE/SHIELDS AVE AND SHIFT TRAFFIC AS NECESSARY. MAINTAIN ACCESS TO SB ROUTE 99 ON AND OFF RAMPS.
3. NORTH PARKWAY DR AND SB ROUTE 99 ON AND OFF RAMPS CLOSED AT END OF STAGE.




50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1C
SR 99 RE-ALIGNMENT

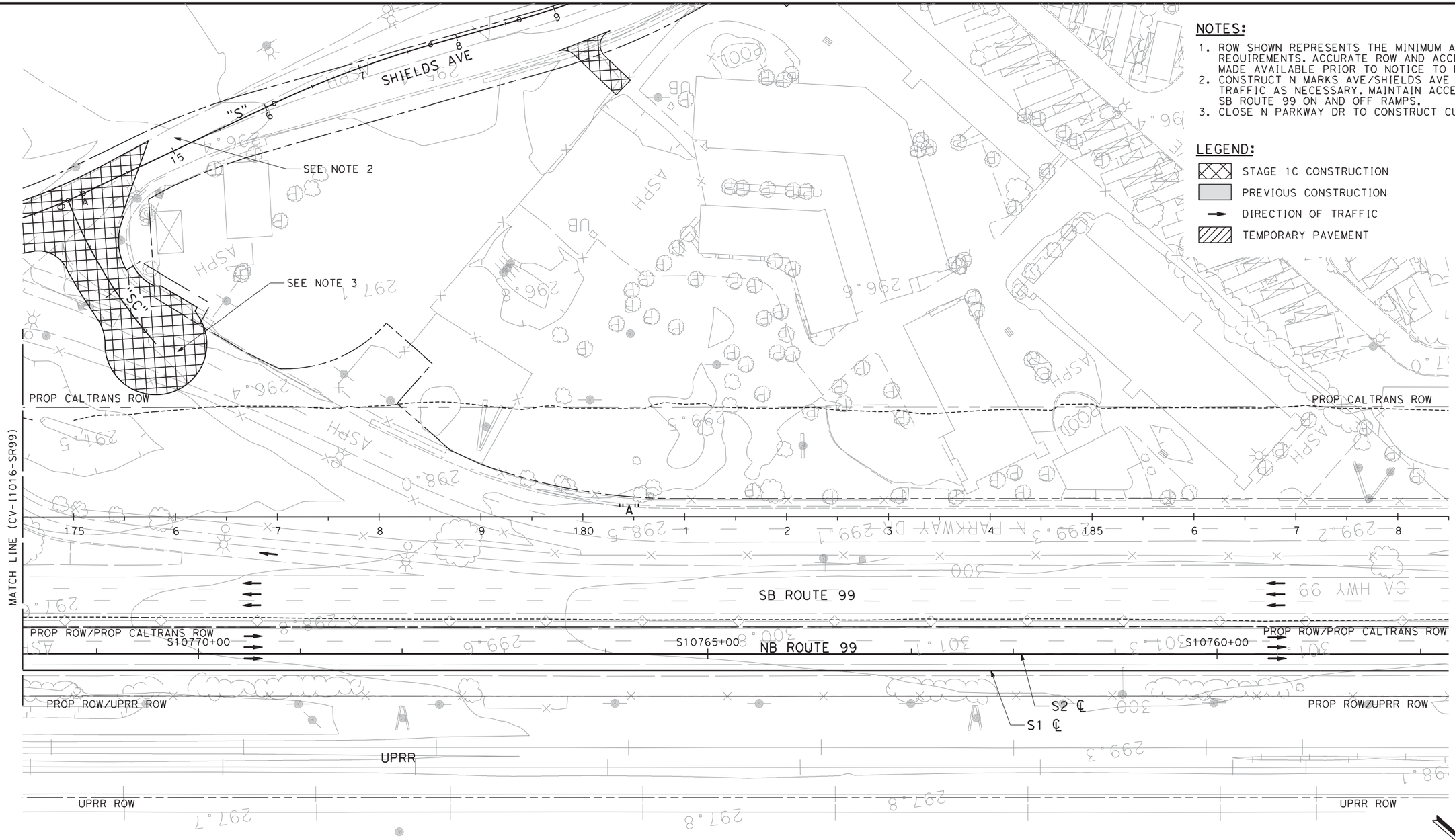
CONTRACT NO.

DRAWING NO. CV-I1016-R99

SCALE AS SHOWN

SHEET NO.

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sleong




## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. CONSTRUCT N MARKS AVE/SHIELDS AVE AND SHIFT TRAFFIC AS NECESSARY. MAINTAIN ACCESS TO SB ROUTE 99 ON AND OFF RAMPS.
3. CLOSE N PARKWAY DR TO CONSTRUCT CUL-DE-SAC.

## LEGEND:

- STAGE 1C CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1C
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1017-R99
SCALE AS SHOWN
SHEET NO.

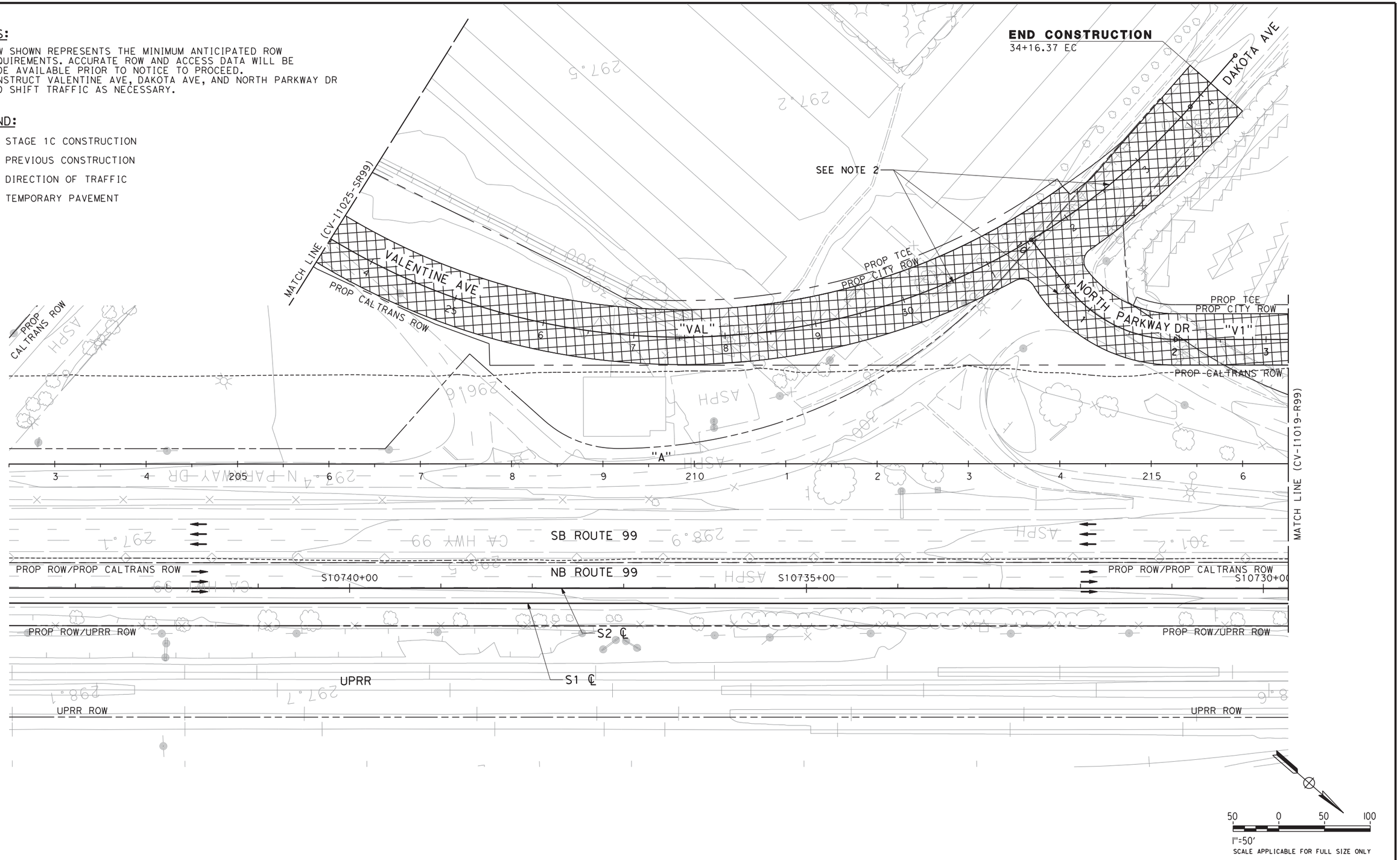
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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. CONSTRUCT VALENTINE AVE, DAKOTA AVE, AND NORTH PARKWAY DR AND SHIFT TRAFFIC AS NECESSARY.

## LEGEND:

- STAGE 1C CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1C
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1018-R99
SCALE AS SHOWN
SHEET NO.

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NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. CONSTRUCT NORTH PARKWAY DR CUL-DE-SAC AND SHIFT TRAFFIC AS NECESSARY.

LEGEND:

- STAGE 1C CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

PROP TCE
PROP CITY ROW
SEE NOTE 2
"V1"
PROP CALTRANS ROW
"AS3"
"A"
"AS4"
PROP CALTRANS ROW
MATCH LINE (CV-I1018-R99)
SB ROUTE 99
NB ROUTE 99
PROP ROW/PROP CALTRANS ROW
PROP ROW/UPRR ROW
S10725+00
S10720+00
S2 ℄
S1 ℄
UPRR
UPRR ROW

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1C
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1019-R99
SCALE AS SHOWN
SHEET NO.

NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

LEGEND:

- STAGE 1C CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

**BEGIN CONSTRUCTION**
"C" 10+00.00 POB

W CLINTON AVE

"C"

W VASSAR AVE

VASSAR AVE

"VA"

CALTRANS ROW

PROP CALTRANS ROW

"C2"

"MS"

"A"

"MN"

PROP ROW/UPRR ROW

PROP ROW/PROP CALTRANS ROW

"C1"

NB ROUTE 99

W CLINTON AVE

"C3"

SB ROUTE 99

PROP CALTRANS ROW

PLEASANT AVE

N PARKWAY DR

MATCH LINE (CV-I1021-R99)

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1C
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1020-R99
SCALE AS SHOWN
SHEET NO.

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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. CONSTRUCT W CLINTON AVE/N WEBER INTERSECTION AND SHIFT TRAFFIC AS NECESSARY.

## LEGEND:

- STAGE 1C CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

MATCH LINE (CV-I1020-R99)

S1 ℄

S2 ℄

"C" 37+09.89 POE

END CONSTRUCTION

SEE NOTE 2

PROP TCE

W CLINTON AVE

N WEBER AVE

NB ROUTE 99

PROP ROW/PROP CALTRANS ROW

UPRR ROW

50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1C
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1021-R99
SCALE AS SHOWN
SHEET NO.

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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. CONSTRUCT N MOTEL DR AND CONNECTIONS TO W CLINTON AVE AND SB ROUTE 99. CLOSE SB N MOTEL DR TO MCKINLEY AVE.

## LEGEND:

- STAGE 1C CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

MCKINLEY AVE

DESIGN BY
FRESNO BAKERSFIELD
HST TEAM

N GOLDEN STATE BLVD

PROP ROW/PROP CITY ROW

S10840+00

S10835+00

S10830+00

PROP ROW/PROP CITY ROW

PROP TCE

PROP CITY ROW

"MS"

BEGIN CONSTRUCTION
"MS" 113+92.90 POB

PROP ROW/UPRR ROW

UPRR

S2 ℄

S1 ℄

CALTRANS ROW

MATCH LINE (CV-I1023-R99)

WEBER AVE

50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1C
SR 99 RE-ALIGNMENT

CONTRACT NO.

DRAWING NO. CV-I1022-R99

SCALE AS SHOWN

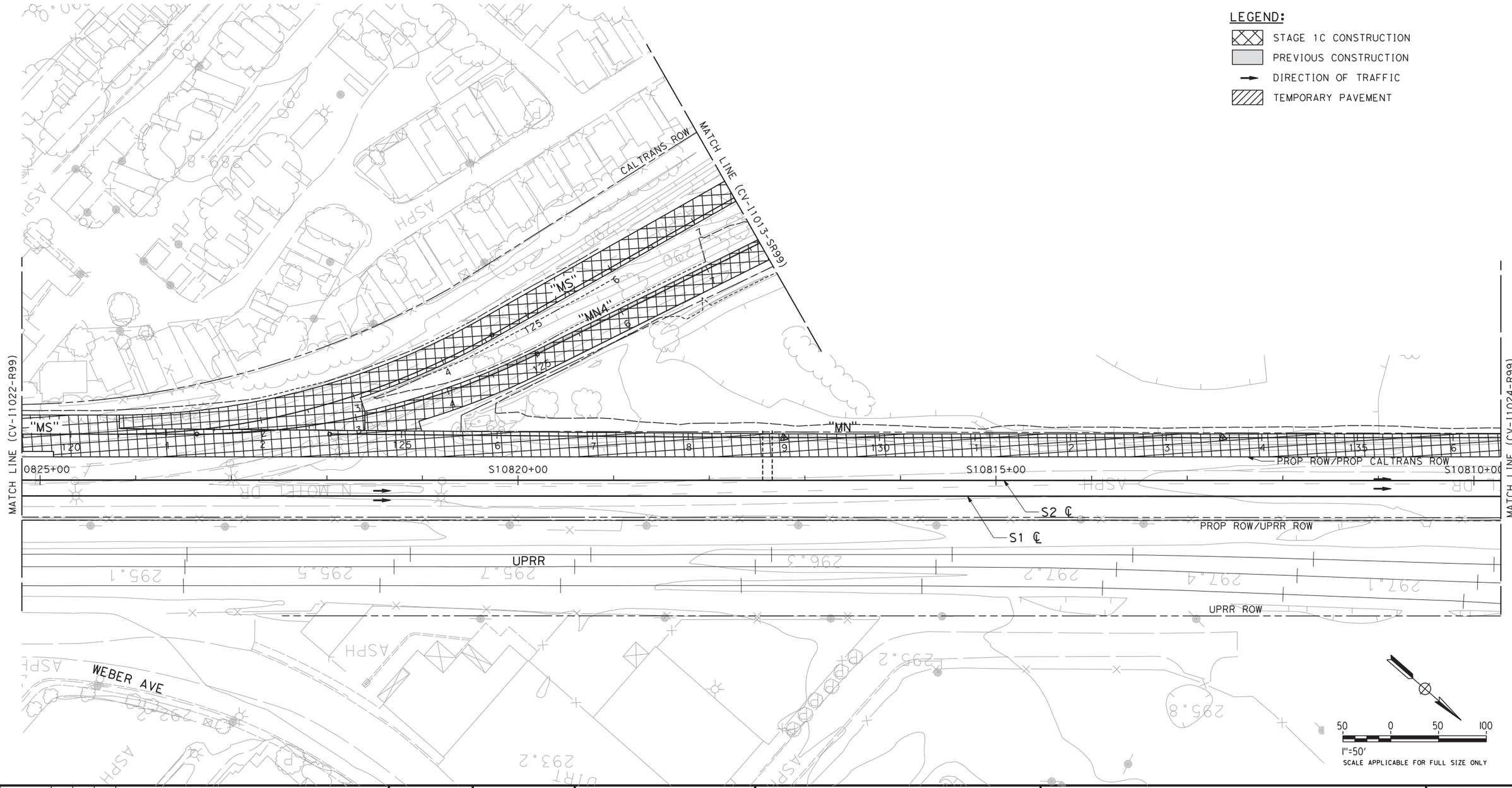
SHEET NO.

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. CONSTRUCT N MOTEL DR AND SB ROUTE 99 CONNECTION TO N MOTEL DR AND N MOTEL DR CONNECTION TO W CLINTON AVE. CLOSE SB N MOTEL DR TO MCKINLEY AVE.

## LEGEND:

- STAGE 1C CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1C
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1023-R99
SCALE AS SHOWN
SHEET NO.

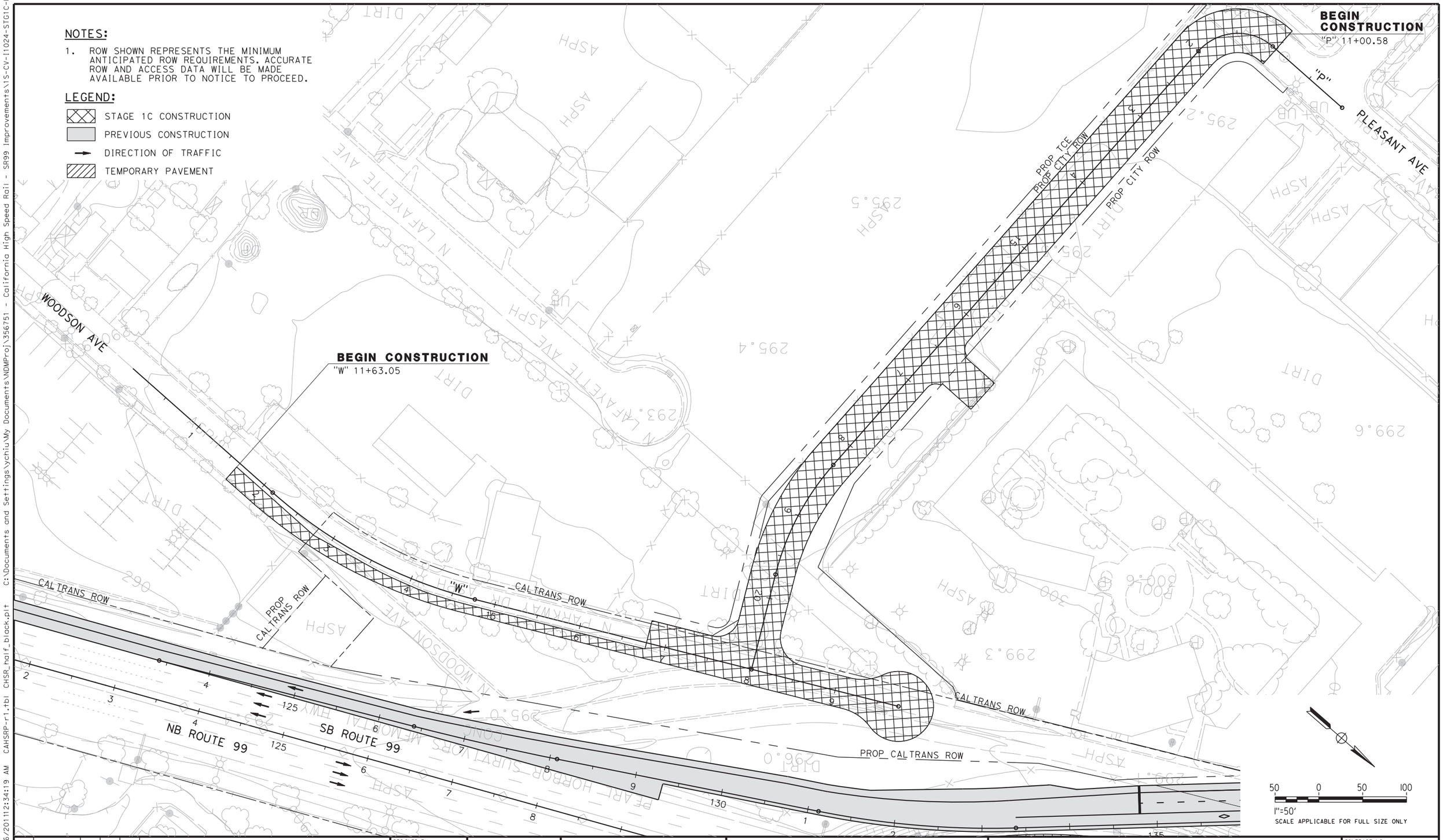
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NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

LEGEND:

- STAGE 1C CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1C
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1024-R99
SCALE AS SHOWN
SHEET NO.

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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. CONSTRUCT VALENTINE AVE AND SHIFT TRAFFIC AS NECESSARY. MAINTAIN ACCESS TO DRIVEWAYS.

## LEGEND:

- STAGE 1C CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

**BEGIN CONSTRUCTION**
"VAL" 20+21.63

PROP TCE
PROP CITY ROW

MATCH LINE (CV-I1018-R99)

SEE NOTE 2

VALENTINE AVE

"VAL"

PROP CALTRANS ROW

SB ROUTE 99

NB ROUTE 99

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 1C
SR 99 RE-ALIGNMENT

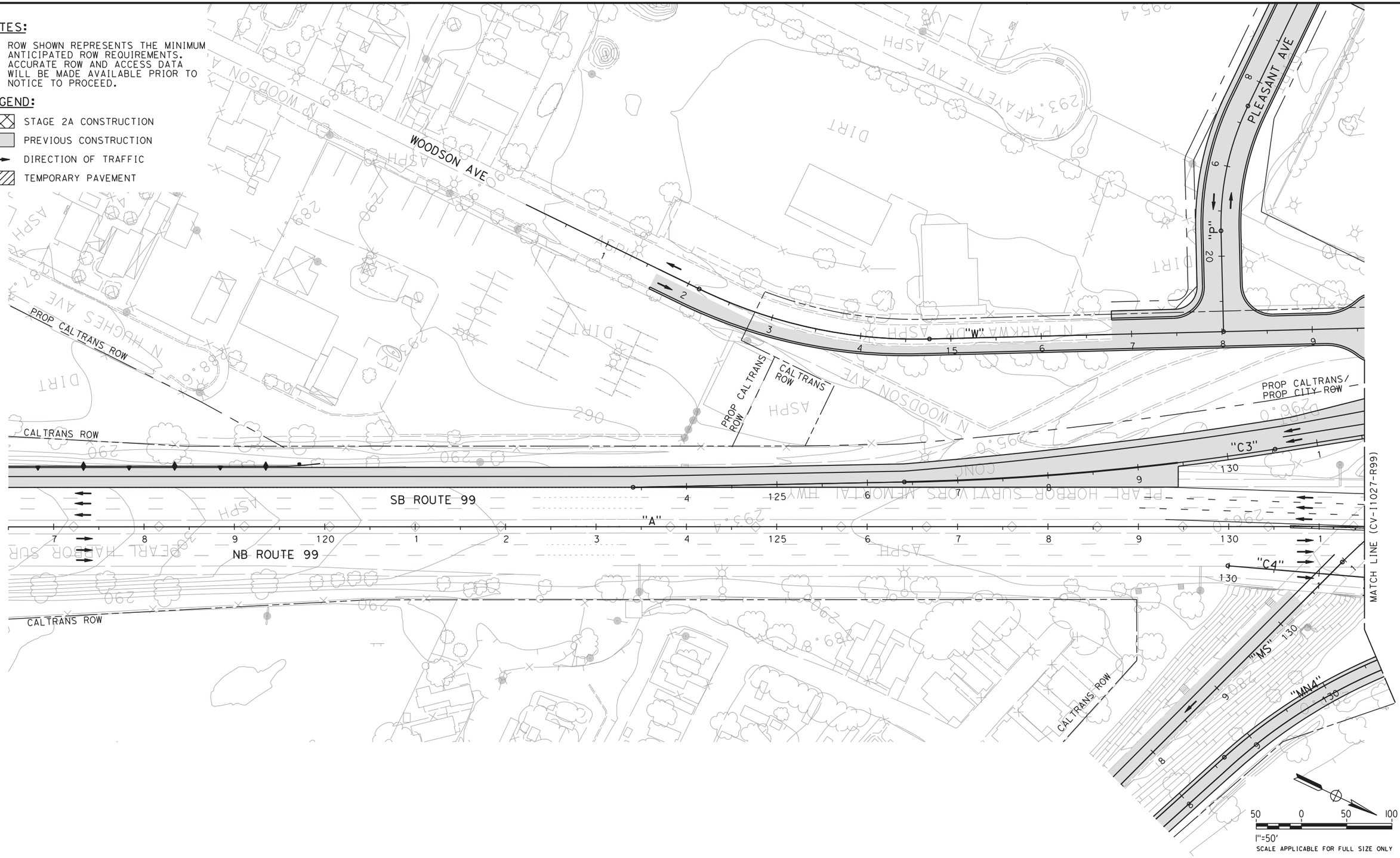
CONTRACT NO.
DRAWING NO. CV-I1025-R99
SCALE AS SHOWN
SHEET NO.

NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

LEGEND:

- STAGE 2A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: C. BENSON
DRAWN BY: R. MEZA
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2A
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1026-R99
SCALE AS SHOWN
SHEET NO.

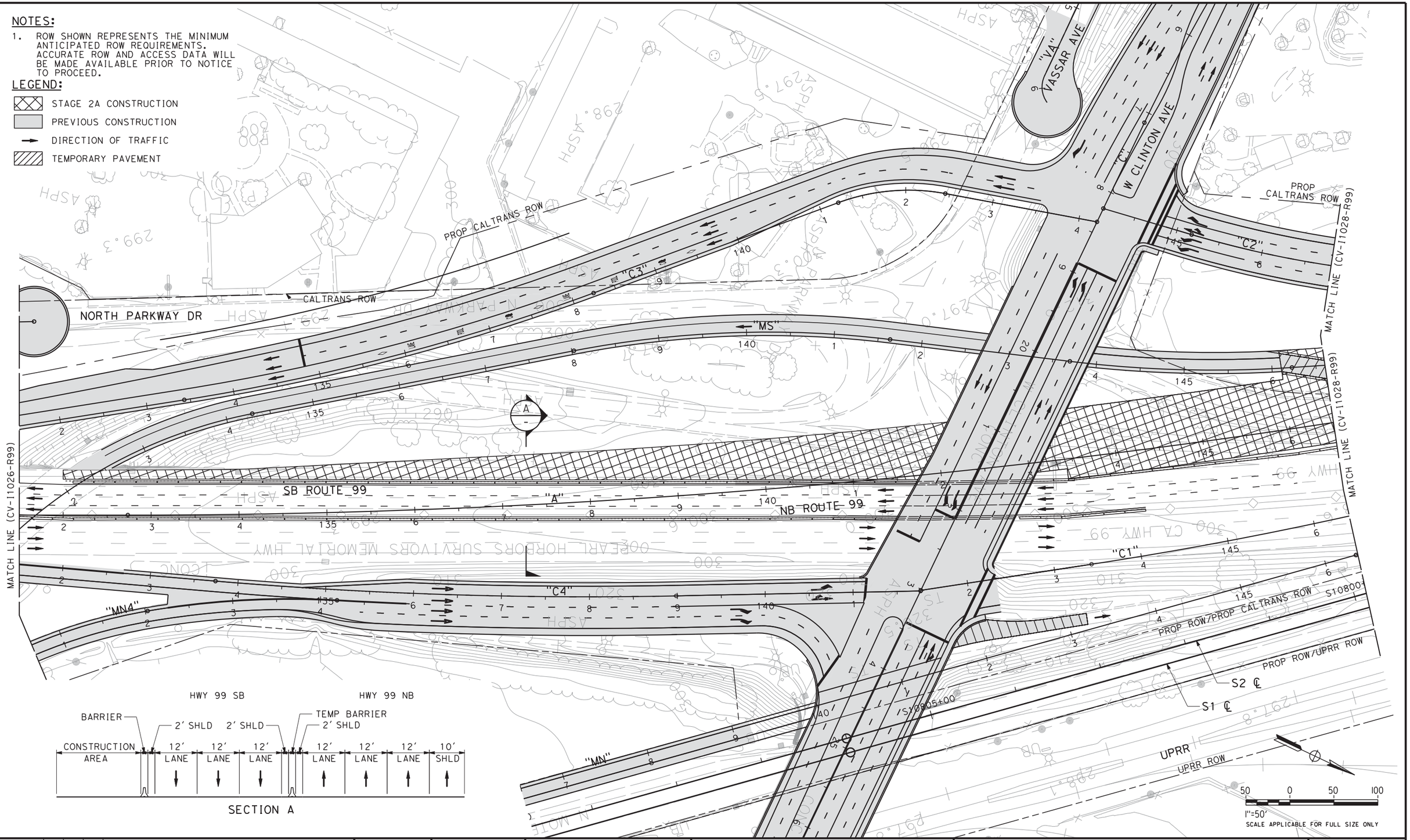
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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

## LEGEND:

- STAGE 2A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT







SECTION A

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: C. BENSON
DRAWN BY: R. MEZA
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**


AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2A
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1027-R99
SCALE AS SHOWN
SHEET NO.


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sleong

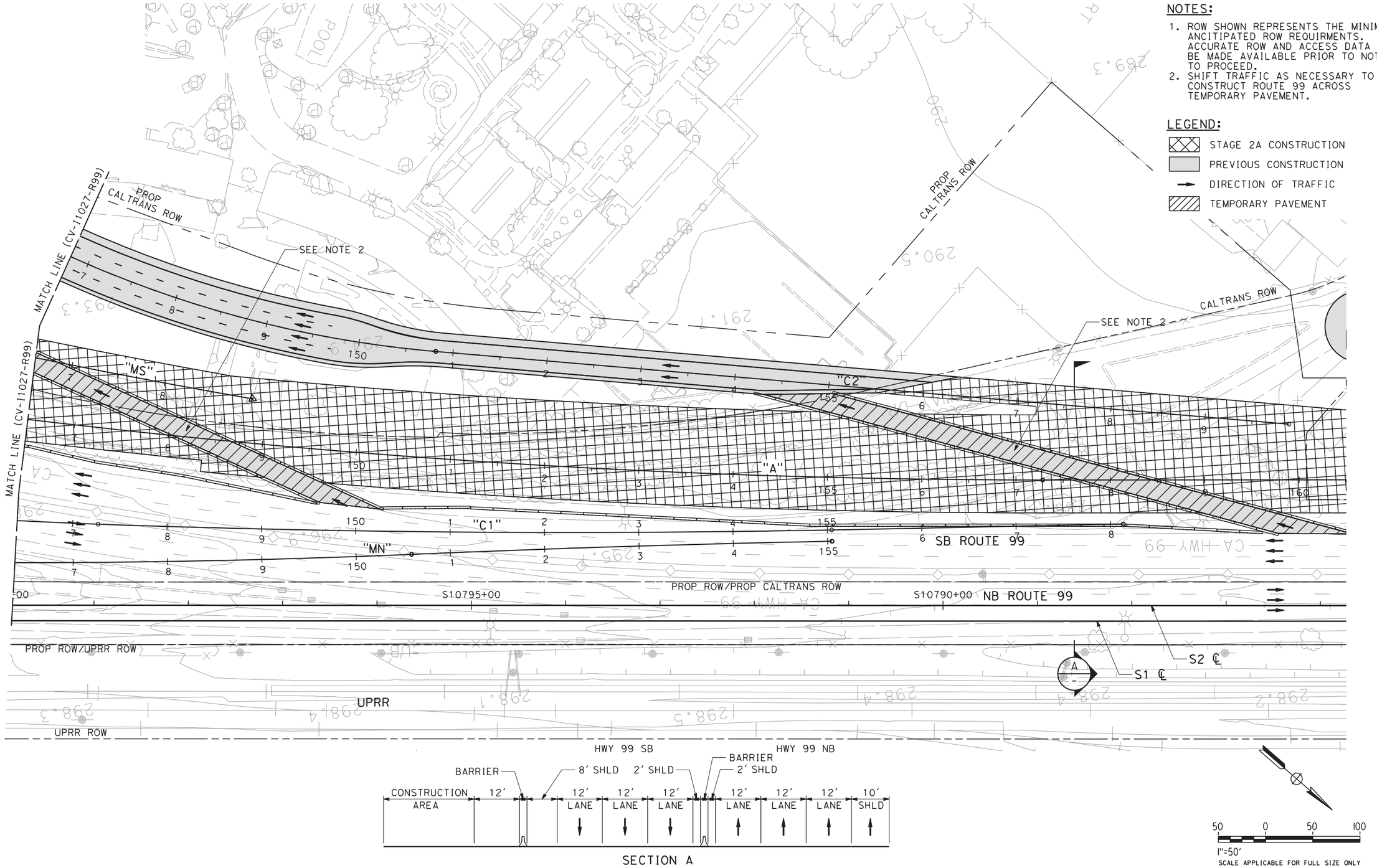
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sleong 2/13/2012 1:26:19 PM CAHSRP-R1.TBL CHSR_half_black-pdf995.stb

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANCITIPATED ROW REQUIRMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SHIFT TRAFFIC AS NECESSARY TO CONSTRUCT ROUTE 99 ACROSS TEMPORARY PAVEMENT.

## LEGEND:

- STAGE 2A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




SECTION A

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 9581
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2A
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1028-R99
SCALE AS SHOWN
SHEET NO.

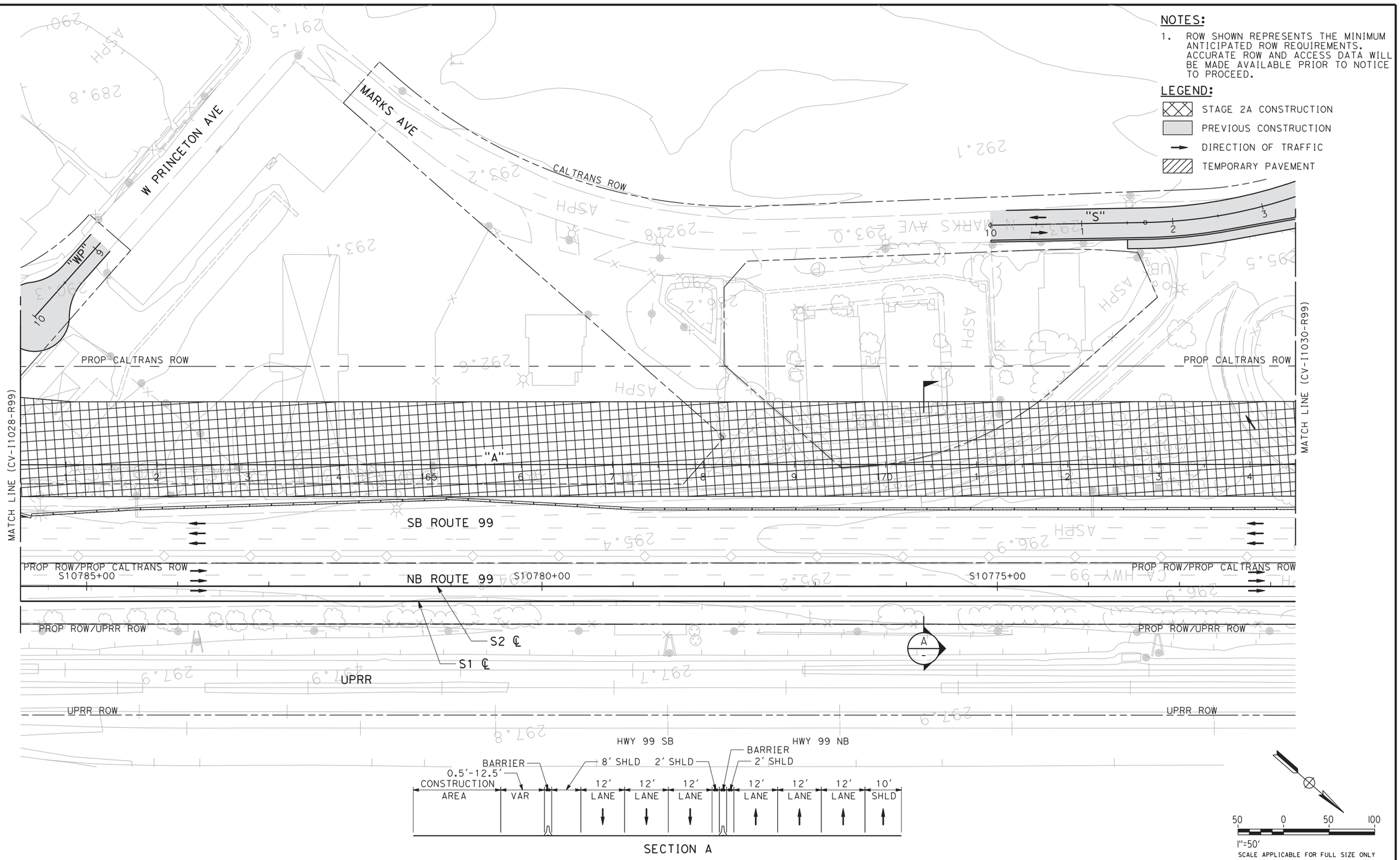
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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

## LEGEND:

- STAGE 2A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




SECTION A

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2A
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1029-R99
SCALE AS SHOWN
SHEET NO.

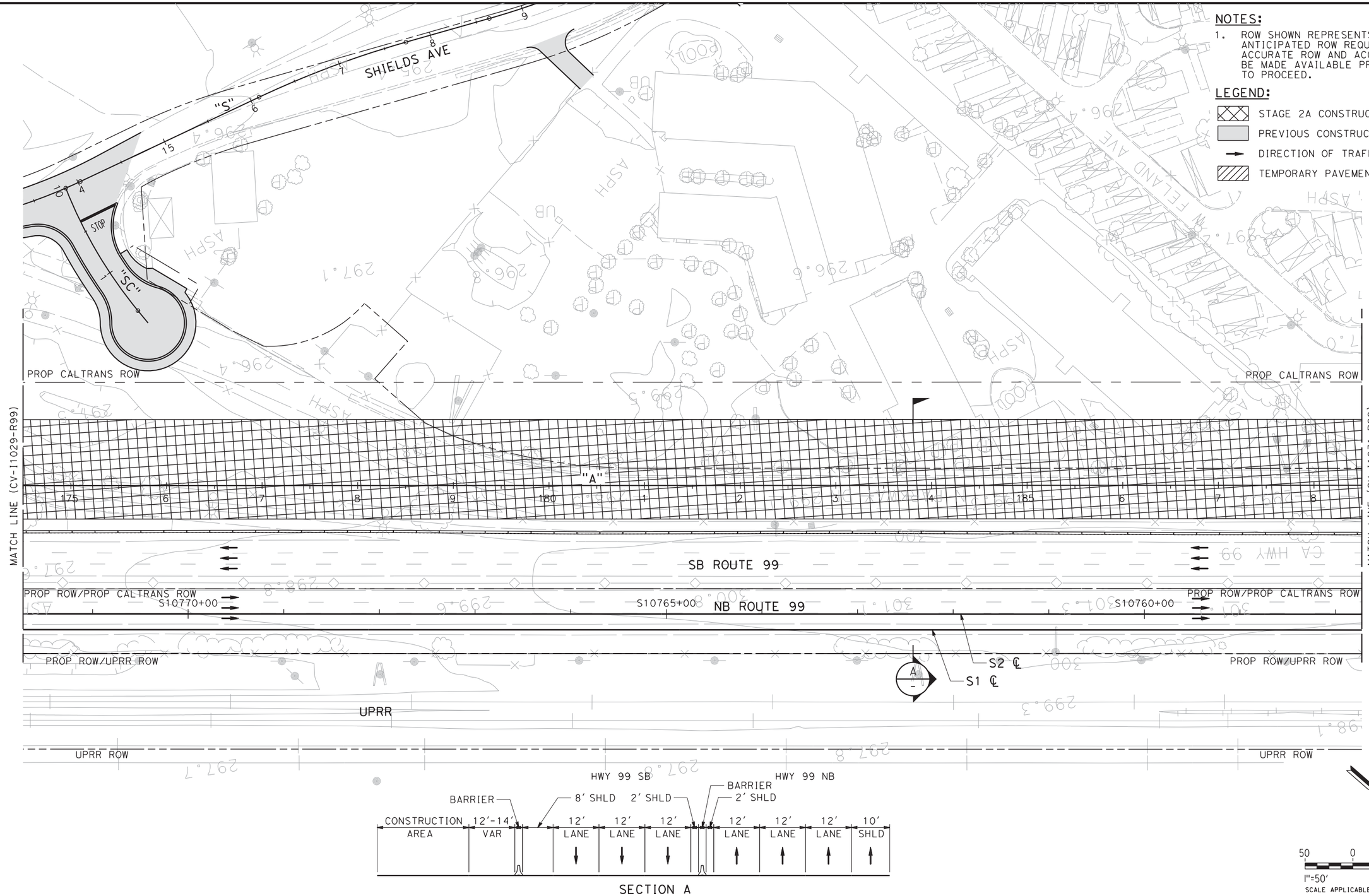
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ychiu

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

## LEGEND:

- STAGE 2A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT







SECTION A

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: C. BENSON
DRAWN BY: R. MEZA
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2A
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1030-R99
SCALE AS SHOWN
SHEET NO.

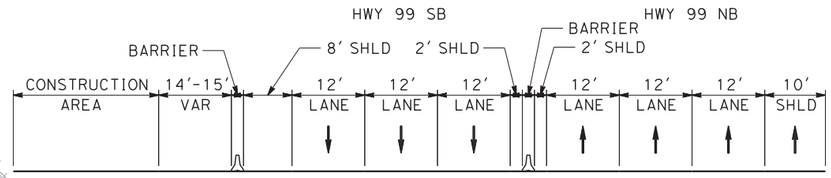
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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

## LEGEND:

- STAGE 2A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




SECTION A




50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2A
SR 99 RE-ALIGNMENT

CONTRACT NO.

DRAWING NO. CV-I1031-R99

SCALE AS SHOWN

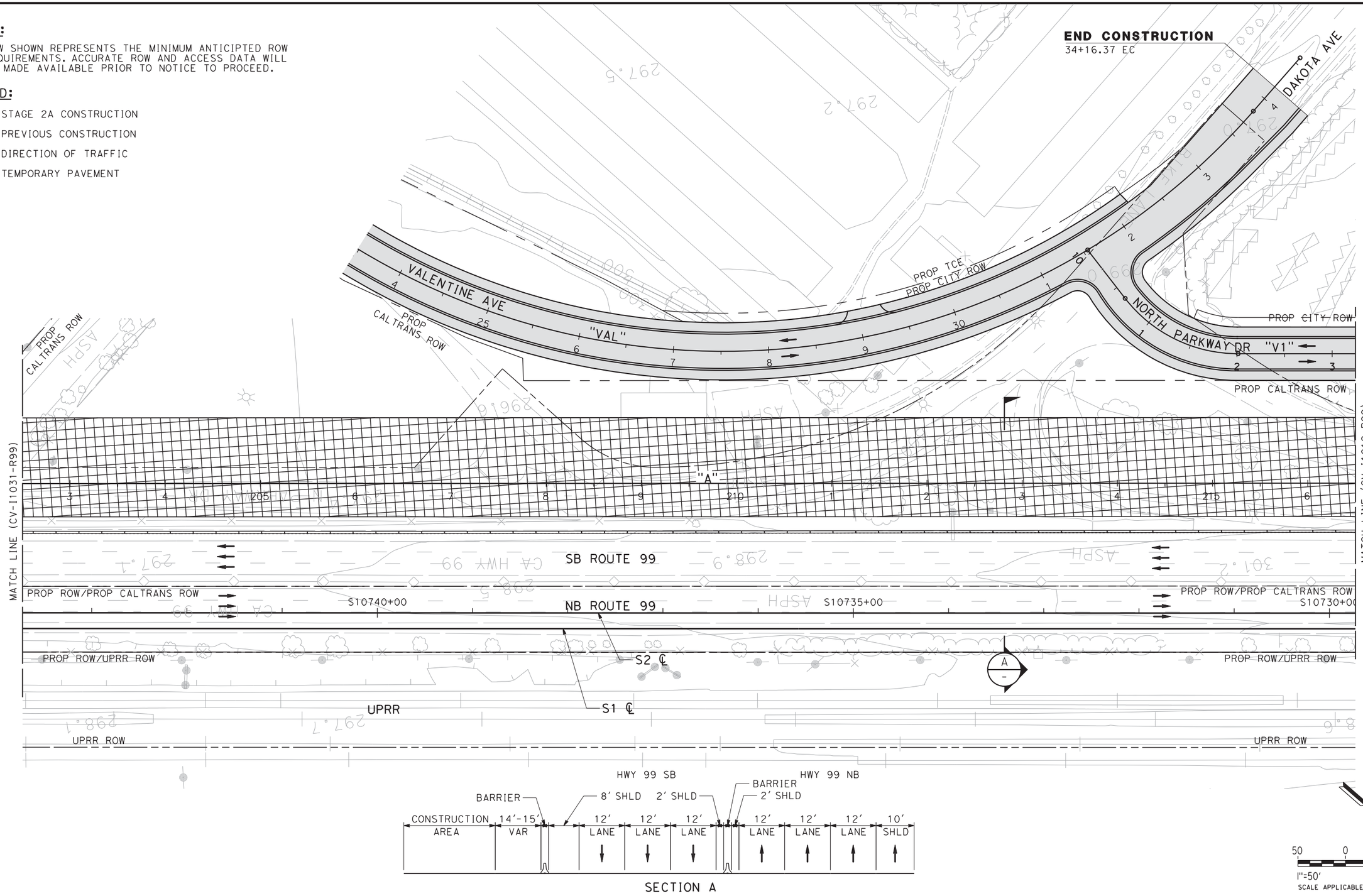
SHEET NO.

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPTED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

## LEGEND:

- STAGE 2A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY C. BENSON
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CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

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2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2A
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1032-R99
SCALE AS SHOWN
SHEET NO.

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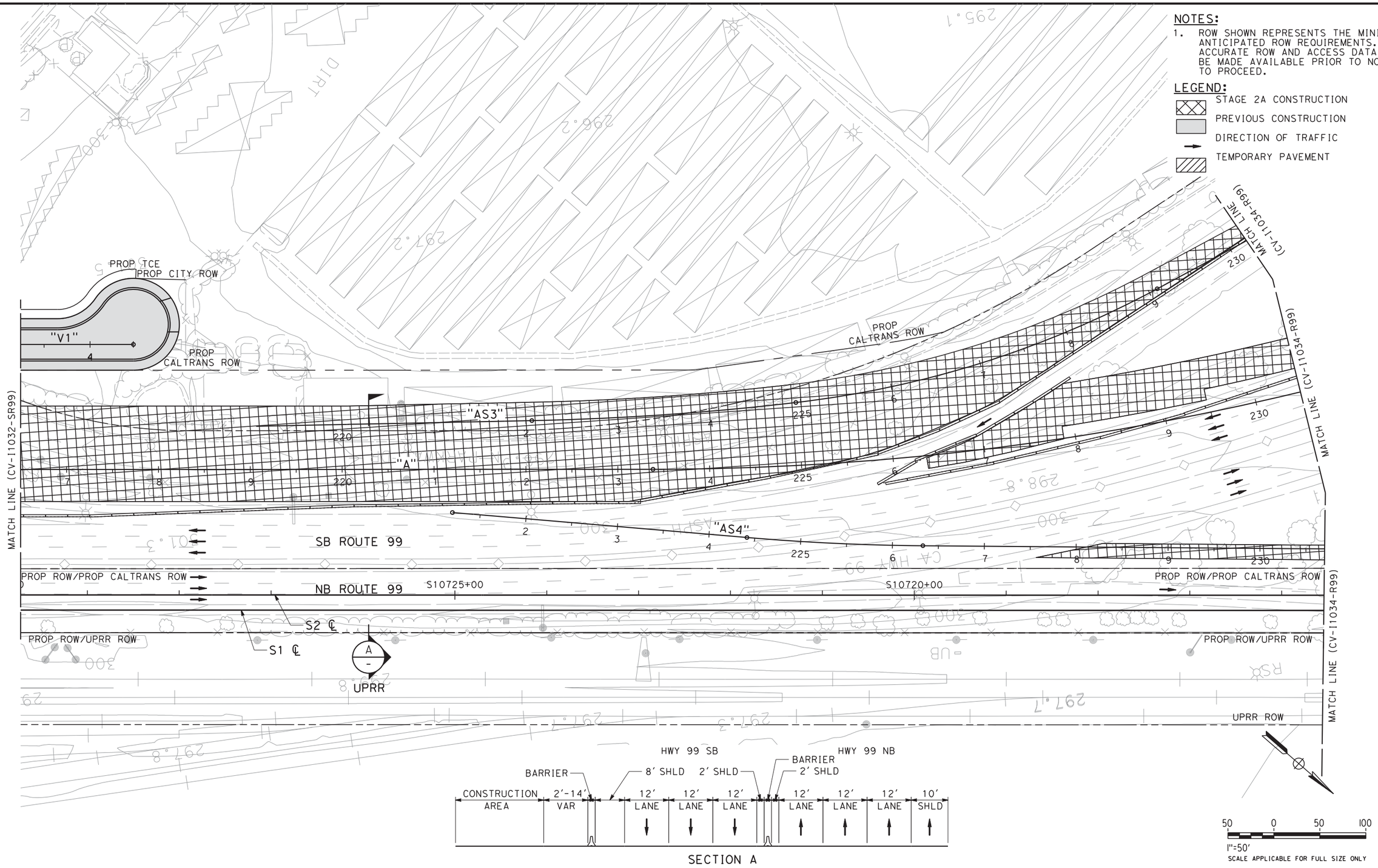
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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

## LEGEND:

- STAGE 2A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT







SECTION A

50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2A
SR 99 RE-ALIGNMENT

CONTRACT NO.

DRAWING NO. CV-I1033-R99

SCALE AS SHOWN

SHEET NO.

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LEGEND:

- STAGE 2A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SHIFT TRAFFIC AS NECESSARY TO CONSTRUCT DRIVEWAY TIE-INS. MAINTAIN TRAFFIC TO DRIVEWAYS.
3. SHIFT TRAFFIC AS NECESSARY TO CONSTRUCT SB ROUTE 99 ON-RAMP. MAINTAIN TRAFFIC TO DRIVEWAYS.

CALTRANS ROW
"NP"
N PARKWAY DR
"AS3"
SB ROUTE 99
NB ROUTE 99
"A"
"AS5"
CALTRANS ROW
MATCH LINE (CV-I1033-R99)
SEE NOTE 2
SEE NOTE 3
S10715+00
S2 ℄
S1 ℄
PROP TCE
PROP CITY ROW
"AS4"
GOLDEN STATE BLVD
S10710+00
PROP ROW/PROP CITY ROW
"AS2"
"AS1"
CALTRANS ROW
UPRR
PROP ROW/UPRR ROW
S10705+00
UPRR ROW

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2A
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1034-R99
SCALE AS SHOWN
SHEET NO.

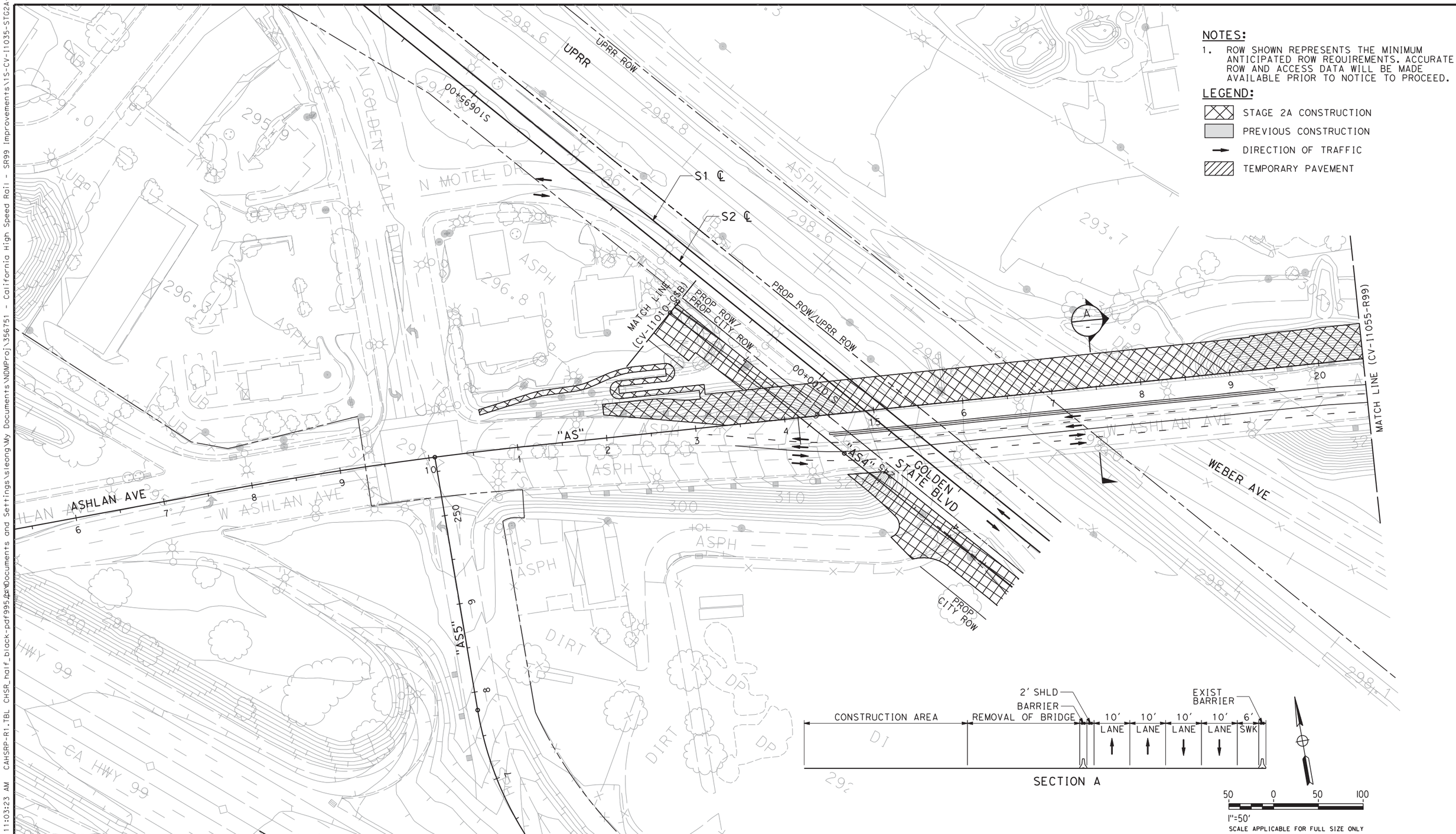
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## NOTES:

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## LEGEND:

- STAGE 2A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT







SECTION A

50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: C. BENSON
DRAWN BY: R. MEZA
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2A
SR 99 RE-ALIGNMENT

CONTRACT NO.

DRAWING NO. CV-I1035-R99

SCALE AS SHOWN

SHEET NO.

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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

## LEGEND:

- STAGE 2A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

ASHLAN AVE

"AS"

PROP TCE

WEBER AVE

N WEBER AVE

MARTY AVE

MATCH LINE (CV-I1035-R99)

50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2A
SR 99 RE-ALIGNMENT

CONTRACT NO.

DRAWING NO. CV-I1036-R99

SCALE AS SHOWN

SHEET NO.

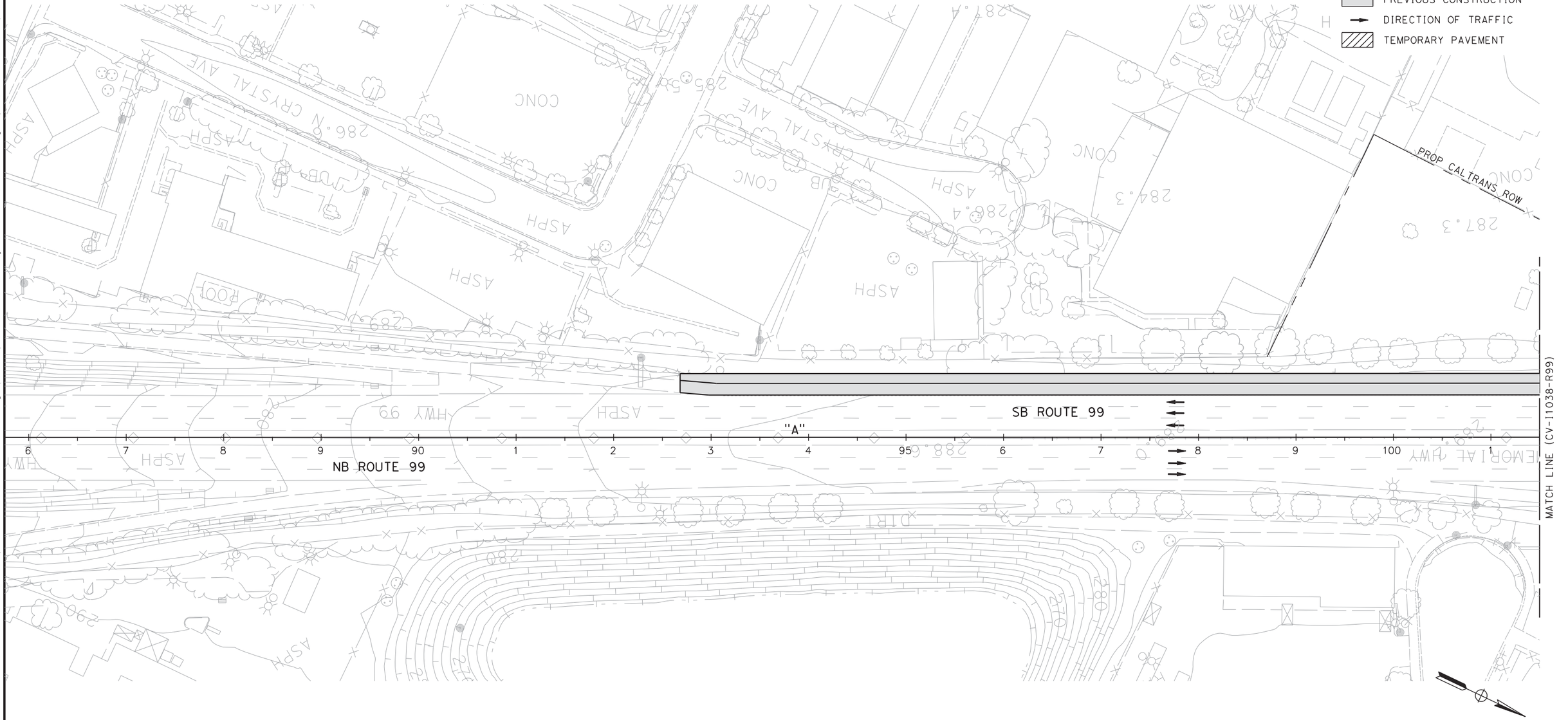
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ychiu

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

**LEGEND:**

- STAGE 2B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: C. BENSON
DRAWN BY: R. MEZA
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1037-R99
SCALE AS SHOWN
SHEET NO.

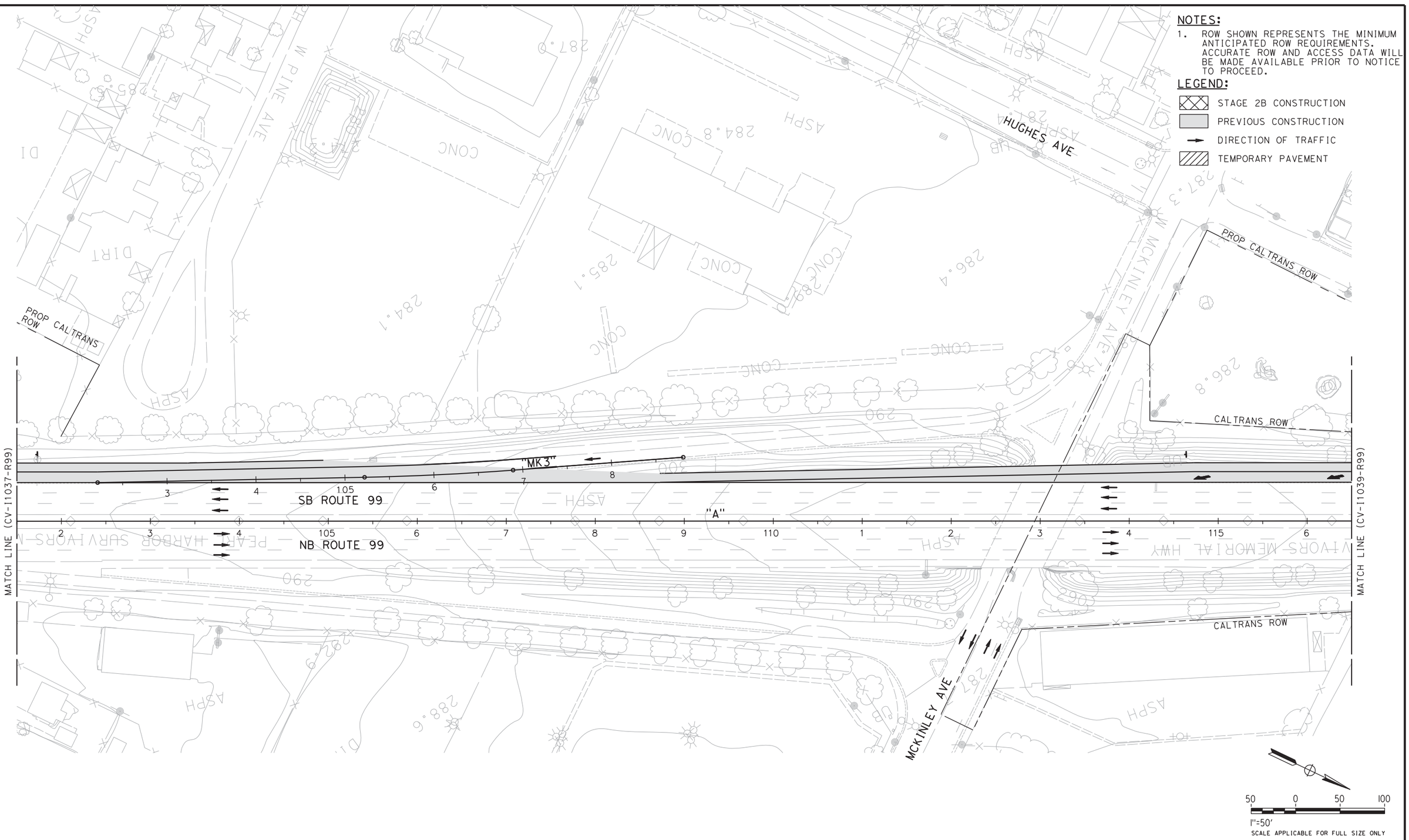
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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

## LEGEND:

- STAGE 2B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

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| | | | | | |

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DATE 11/22/11

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CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

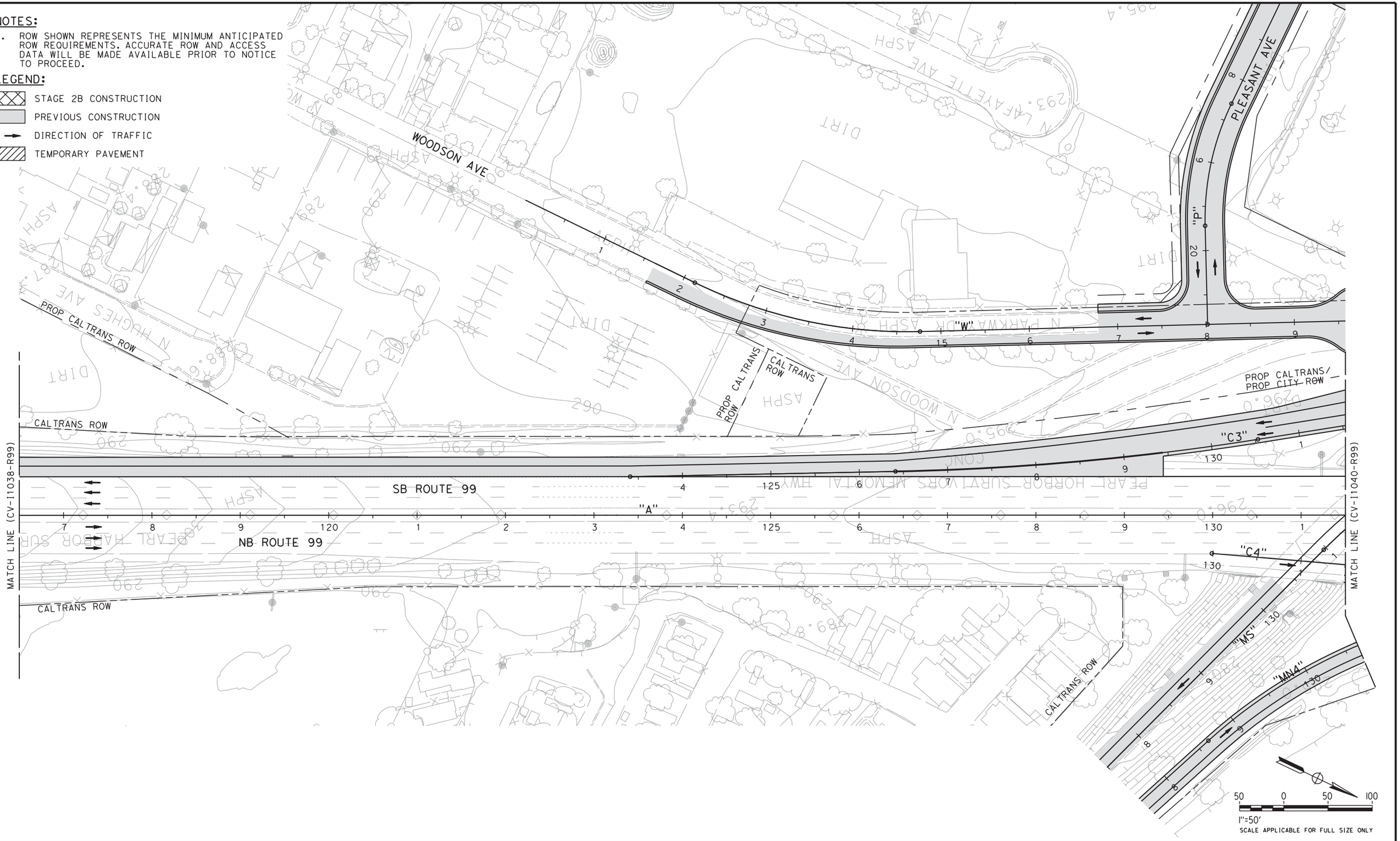
CONTRACT NO.
DRAWING NO. CV-I1038-R99
SCALE AS SHOWN
SHEET NO.

NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

LEGEND:

- STAGE 2B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

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DATE 2/17/12

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CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1039-R99
SCALE AS SHOWN
SHEET NO.

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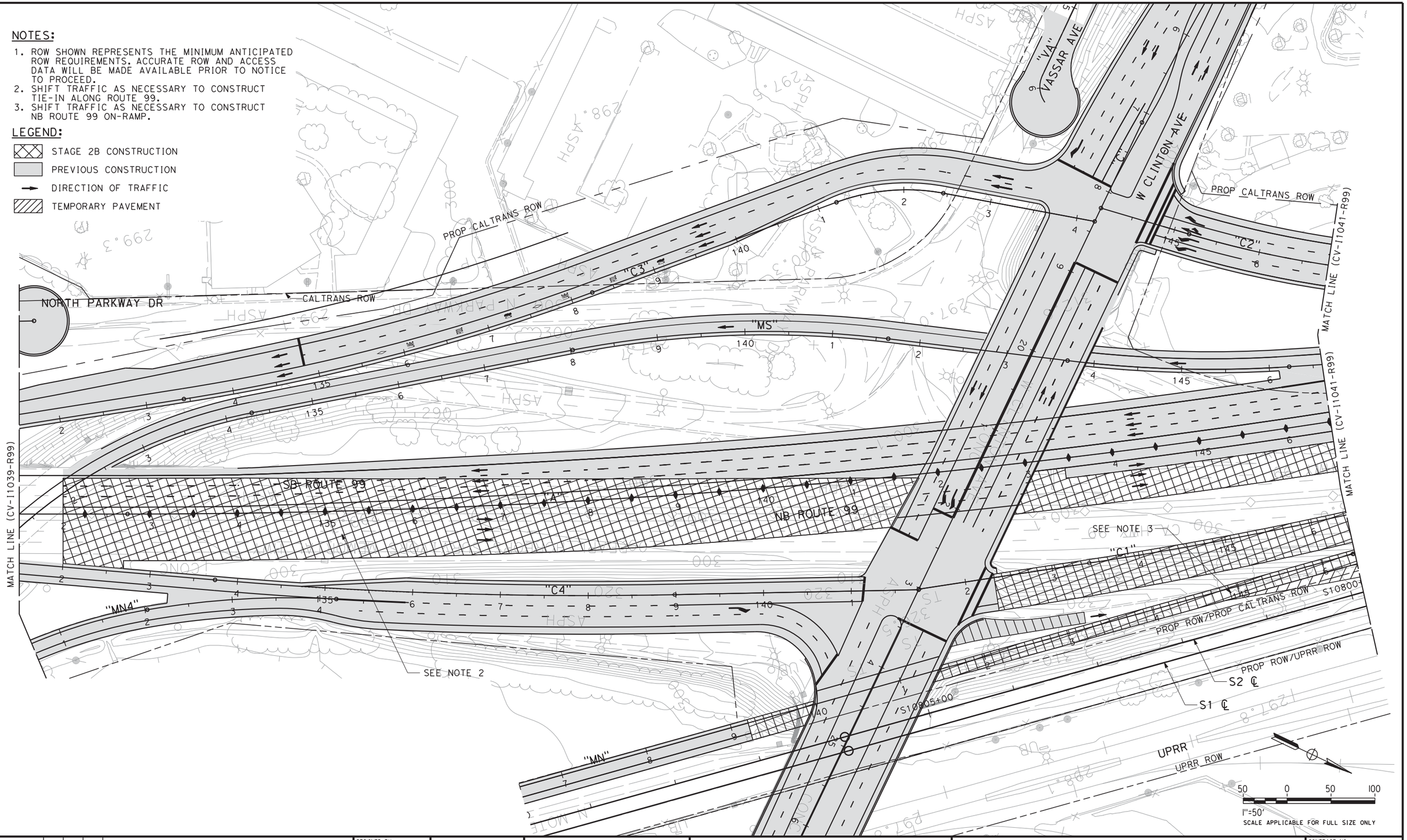
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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SHIFT TRAFFIC AS NECESSARY TO CONSTRUCT TIE-IN ALONG ROUTE 99.
3. SHIFT TRAFFIC AS NECESSARY TO CONSTRUCT NB ROUTE 99 ON-RAMP.

## LEGEND:

- STAGE 2B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
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CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

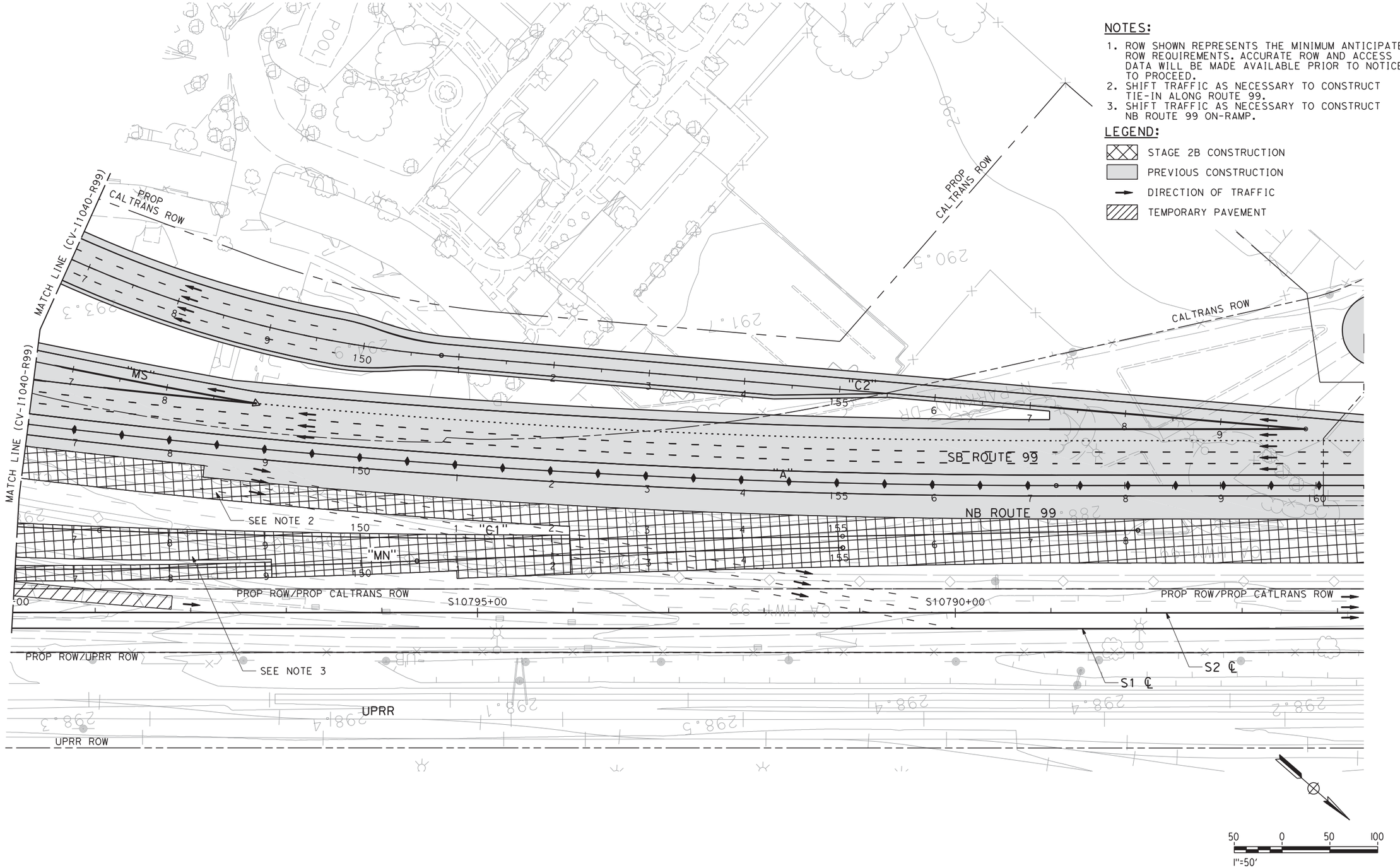
CONTRACT NO.
DRAWING NO. CV-I1040-R99
SCALE AS SHOWN
SHEET NO.

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SHIFT TRAFFIC AS NECESSARY TO CONSTRUCT TIE-IN ALONG ROUTE 99.
3. SHIFT TRAFFIC AS NECESSARY TO CONSTRUCT NB ROUTE 99 ON-RAMP.

## LEGEND:

- STAGE 2B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




| REV | DATE | BY | CHK | APP | DESCRIPTION |
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DATE 2/17/12

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1041-R99
SCALE AS SHOWN
SHEET NO.

sleong 2/13/2012 1:33:15 PM CAHSRP-R1.TBL CHSR_half_black-pdf995.prf C:\Documents and Settings\sleong\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-I1041-ST02B-R99

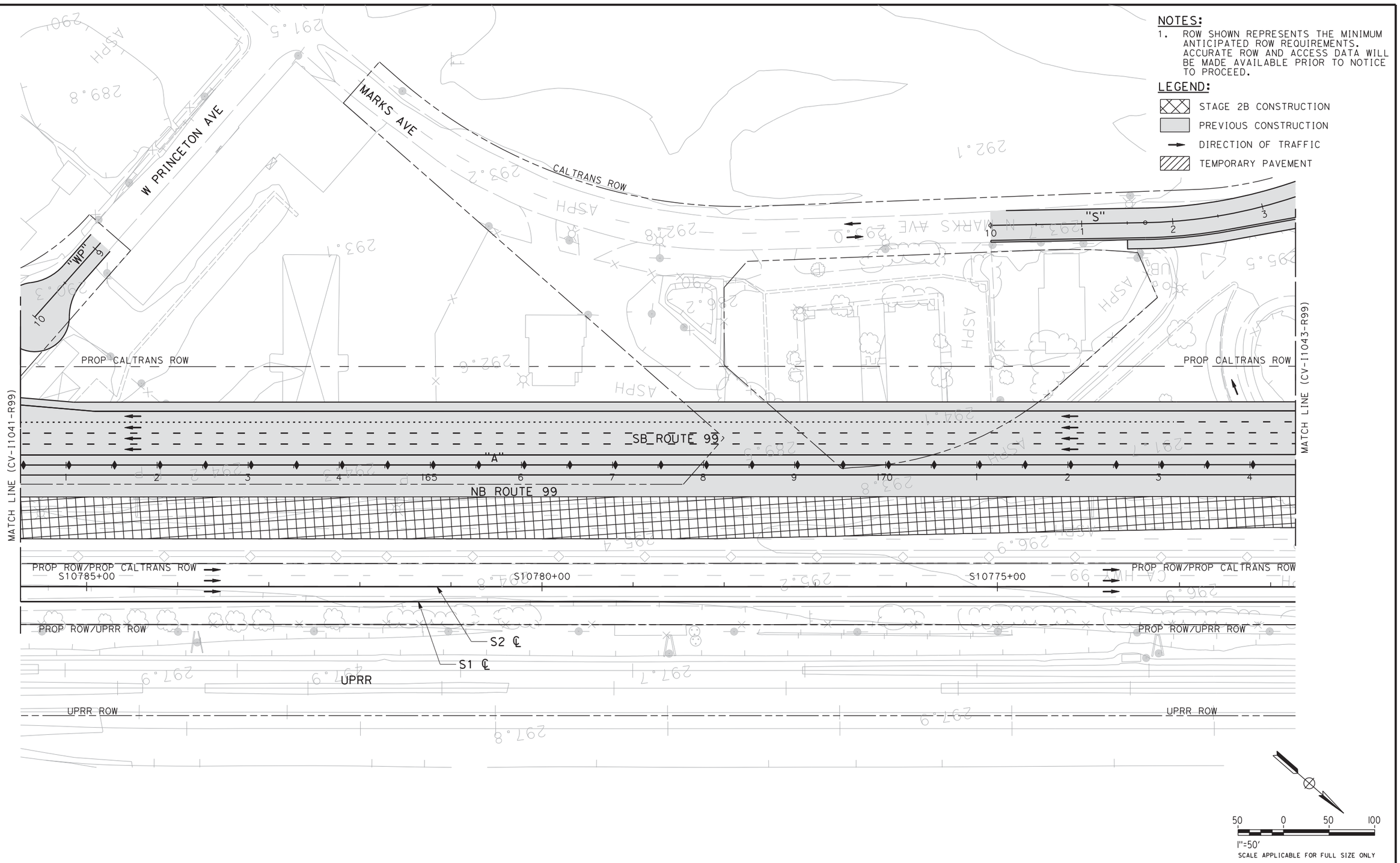
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ychiu 11/16/2011 2:46:04 AM CAHSRP-r1.tbl CHSR_half_black.plt

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

## LEGEND:

- STAGE 2B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: C. BENSON
DRAWN BY: R. MEZA
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1042-R99
SCALE AS SHOWN
SHEET NO.

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ychiu

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

## LEGEND:

- STAGE 2B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

SHIELDS AVE

"S"

"SC"

"A"

PROP CALTRANS ROW

SB ROUTE 99

NB ROUTE 99

MATCH LINE (CV-I1042-R99)

MATCH LINE (CV-I1044-R99)

PROP ROW/PROP CALTRANS ROW

S10770+00

S10765+00

S10760+00

PROP ROW/UPRR ROW

S2 ℄

S1 ℄

UPRR

UPRR ROW

50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

CONTRACT NO.

DRAWING NO. CV-I1043-R99

SCALE AS SHOWN

SHEET NO.

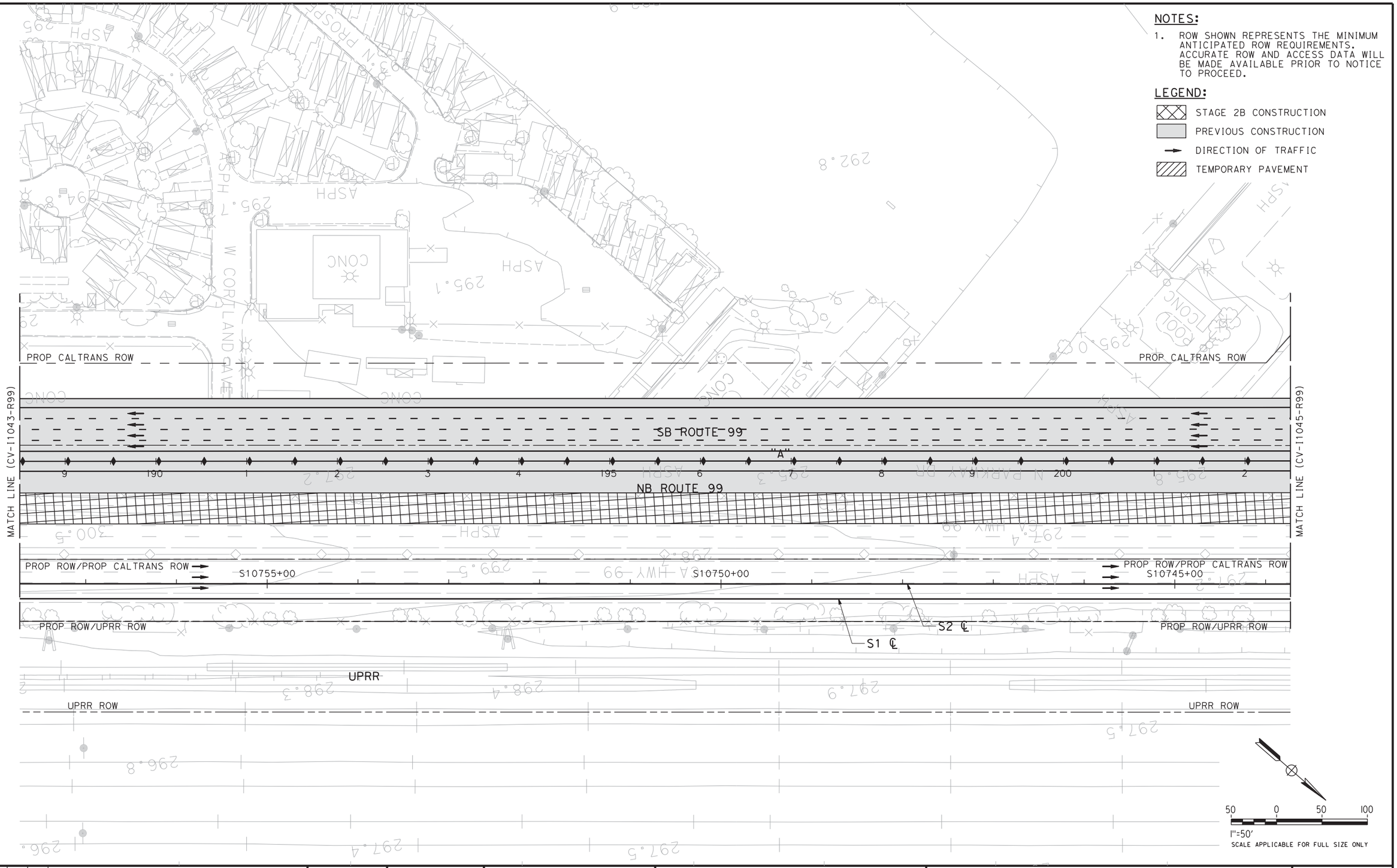
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ychiu CAHSRP-r1.tbl CHSR_half_black.plt

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

## LEGEND:

- STAGE 2B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: C. BENSON
DRAWN BY: R. MEZA
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1044-R99
SCALE AS SHOWN
SHEET NO.

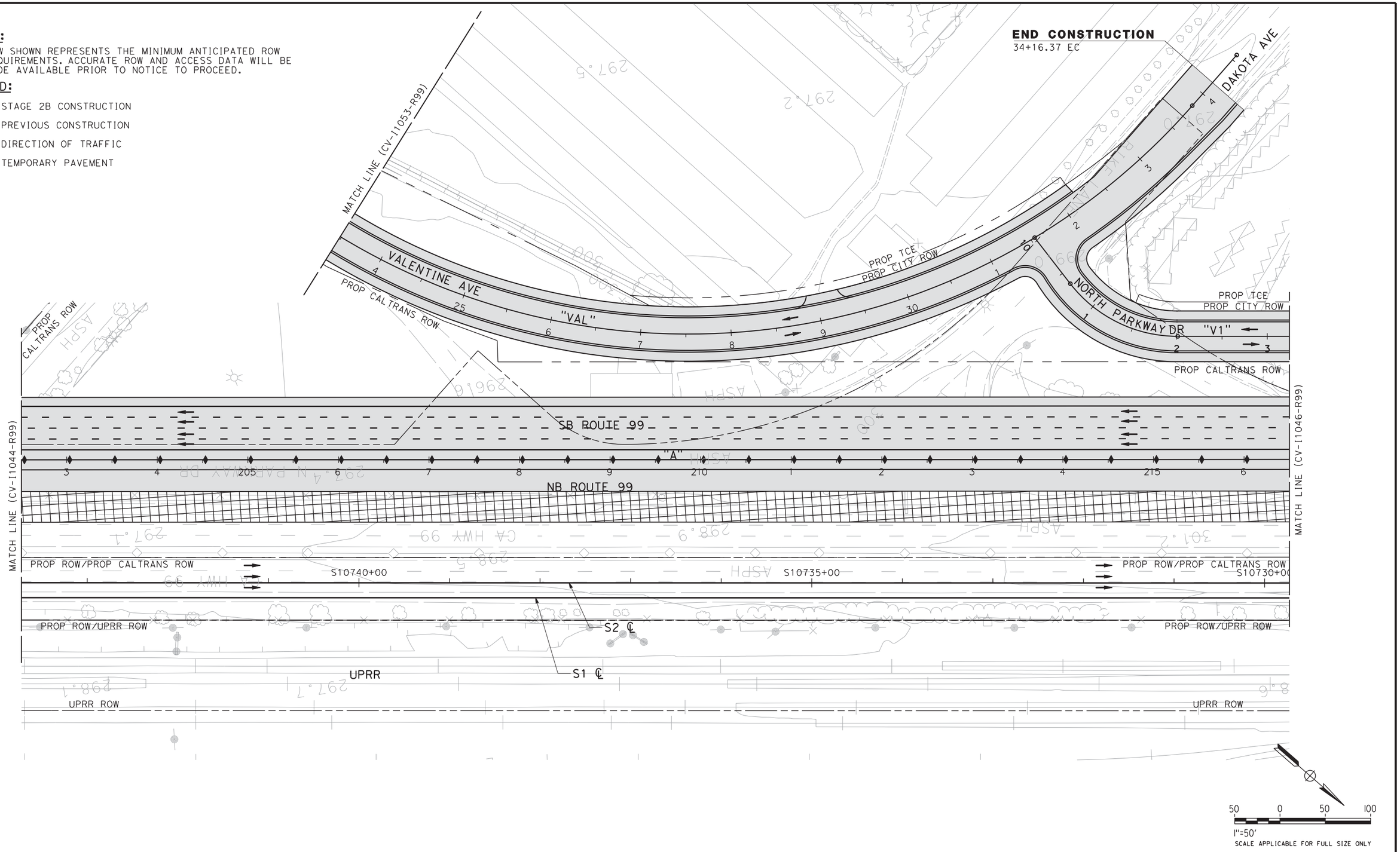
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**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

**LEGEND:**

- STAGE 2B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

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Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1045-R99
SCALE AS SHOWN
SHEET NO.

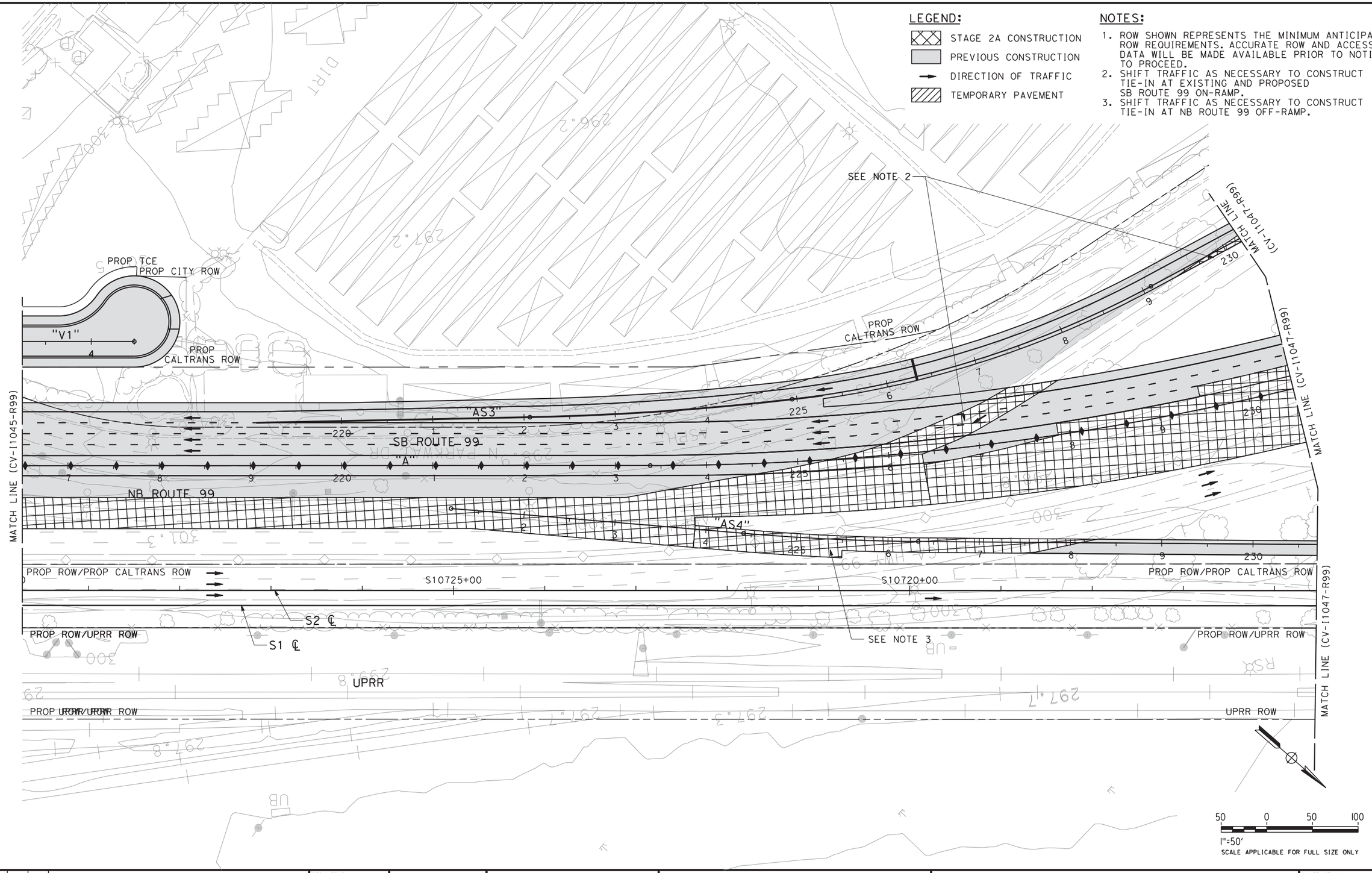
2/13/2012 1:35:13 PM CAHSRP-R1.TBL CHSR_half_black-pdf995.prf C:\Documents and Settings\sleong\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-I1046-ST02B-R99 sleong

**LEGEND:**

- STAGE 2A CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SHIFT TRAFFIC AS NECESSARY TO CONSTRUCT TIE-IN AT EXISTING AND PROPOSED SB ROUTE 99 ON-RAMP.
3. SHIFT TRAFFIC AS NECESSARY TO CONSTRUCT TIE-IN AT NB ROUTE 99 OFF-RAMP.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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2020 L Street, Suite 300
Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1046-R99
SCALE AS SHOWN
SHEET NO.

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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SHIFT TRAFFIC AS NECESSARY TO CONSTRUCT TIE-IN ALONG ROUTE 99.
3. SHIFT TRAFFIC AS NECESSARY TO CONSTRUCT TIE-IN AT SB ROUTE 99 ON-RAMP.

## LEGEND:

- STAGE 2B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

SEE NOTE 3

SEE NOTE 2

"NP"

N PARKWAY DR

CALTRANS ROW

"AS3"

SB ROUTE 99

"A"

NB ROUTE 99

"AS5"

MATCH LINE (CV-I1046-R99)

**END CONSTRUCTION**
"A" 237+20.00

LIMIT OF CONSTRUCTION

S10715+00

S2 ℄

S1 ℄

"AS4"

PROP TCE
PROP CITY ROW

GOLDEN STATE BLVD

S10710+00

PROP ROW/PROP CITY ROW

UPRR

PROP ROW/UPRR ROW

UPRR ROW

"AS1"

"AS2"

PROP CITY ROW

S10705+00

MATCH LINE (CV-I1054-R99)

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: C. BENSON
DRAWN BY: R. MEZA
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1047-R99
SCALE AS SHOWN
SHEET NO.

NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

LEGEND:

- STAGE 2B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

**BEGIN CONSTRUCTION**
"C" 10+00.00 POB

W CLINTON AVE

"C"

W VASSAR AVE

VASSAR AVE

"VA"

CALTRANS ROW

PLEASANT AVE

PROP CALTRANS ROW

"C2"

"MS"

"A"

"MN"

PROP ROW/UPRR ROW

PROP ROW/PROP CALTRANS ROW

"C1"

NB ROUTE 99

SB ROUTE 99

"C3"

N PARKWAY DR

PROP CALTRANS ROW

MATCH LINE (CV-I1049-R99)

POOL

RUIN

DIRT

ASPH

50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

15% DRAFT
SUBMITTED
FOR PRELIMINARY
USE ONLY

NOT FOR CONSTRUCTION

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1048-R99
SCALE AS SHOWN
SHEET NO.

sleong 2/14/2012 11:05:32 AM CAHSRP-R1.TBL CHSR_half_black-pdf995.prf C:\Documents and Settings\sleong\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-I1048-STG2B-R99

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NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENT. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

LEGEND:

- STAGE 2B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

**END CONSTRUCTION**
"C" 37+09.89 POE

MATCH LINE (CV-I1048-R99)

S1 ℄
S2 ℄
"C"
W CLINTON AVE
N WEBER AVE
PROP ROW/UPRR ROW
PROP ROW/PROP CALTRANS ROW
UPRR ROW
M MOTEL DR
NB ROUTE 99
ASPH
CONC
DIRT

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 9581
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1049-R99
SCALE AS SHOWN
SHEET NO.

C:\Documents and Settings\ychiu\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\15-CV-I1050-STG2B-R99.plt CAHSRP-r1.tbl CHSR_half_black.plt 11/16/2011 2:53:05 AM ychiu

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

## LEGEND:

- STAGE 2B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

MCKINLEY AVE

DESIGN BY
FRESNO BAKERSFIELD
HST TEAM

N GOLDEN STATE BLVD

PROP ROW/PROP CITY ROW

S10840+00

S10835+00

S10830+00

PROP ROW/PROP CITY ROW

PROP ROW/UPRR ROW

**BEGIN CONSTRUCTION**
"MS" 113+92.90 POB

UPRR

WEBER AVE

PROP CITY ROW

"MS"

4 5 6 7 8 9

CALTRANS ROW

MATCH LINE (CV-I1051-R99)

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: C. BENSON
DRAWN BY: R. MEZA
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1050-R99
SCALE AS SHOWN
SHEET NO.

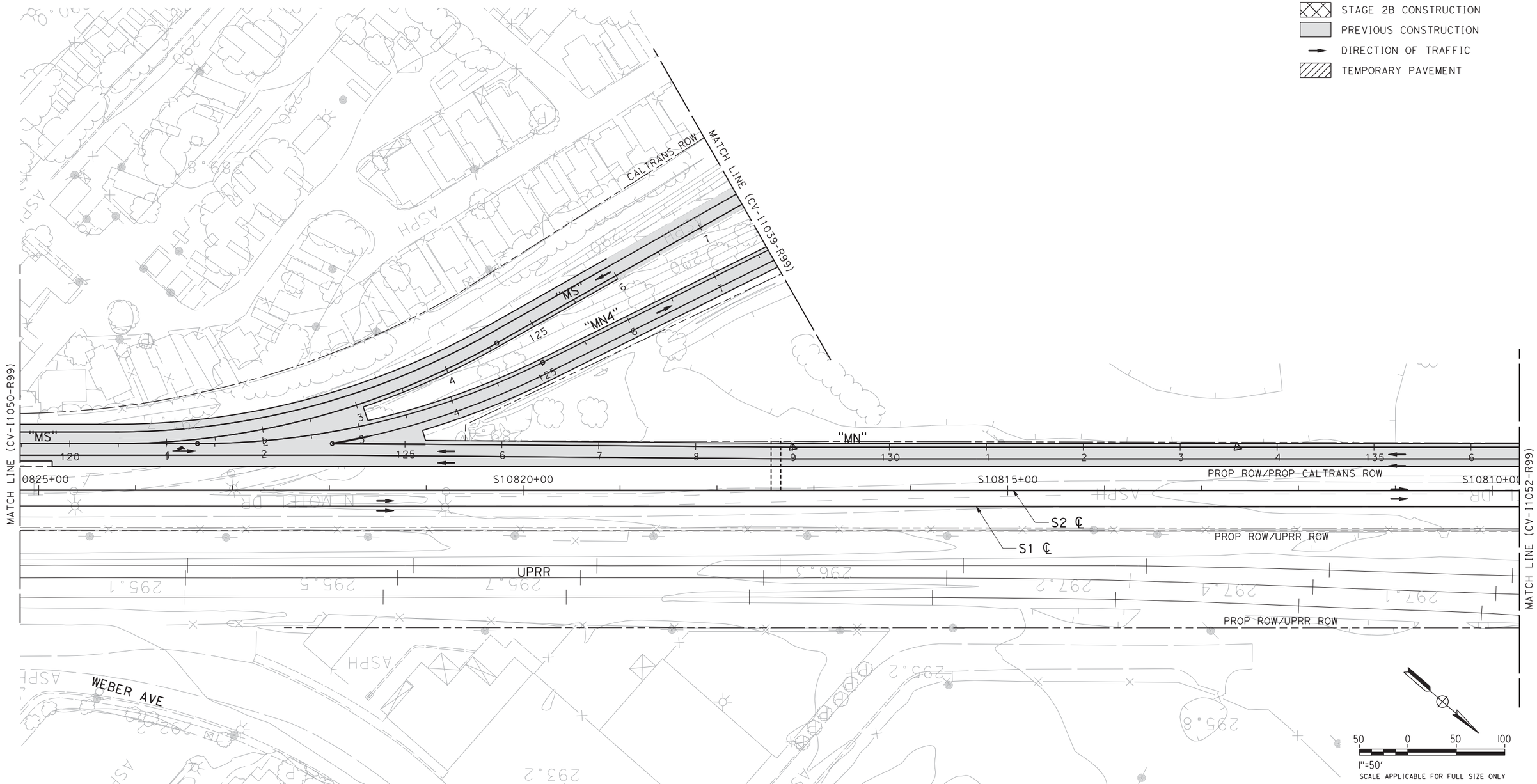
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ychiu

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

## LEGEND:

- STAGE 2B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

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DATE 11/22/11

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1051-R99
SCALE AS SHOWN
SHEET NO.

11/16/2011 2:54:41 AM CAHSRP-r1.tbl CHSR_half_black.plt C:\Documents and Settings\ychiu\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\15-CV-I1052-STG2B-R99.dgn ychiu

**NOTES:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

**LEGEND:**

- STAGE 2B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

WOODSON AVE
"P"
PLEASANT AVE
"W"
PROP TCE
PROP CITY ROW
CALTRANS ROW
PROP CALTRANS ROW
NB ROUTE 99
SB ROUTE 99
N LAFAYETTE AVE
N WOODSON AVE
PEAR HORROR SURVEYORS MEMORIAL HWY
CONC
ASPH
DIRT
UB

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 11/22/11

**PROPOSED PRELIMINARY DESIGN**

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AECOM Technical Services, Inc.
2020 L Street, Suite 300
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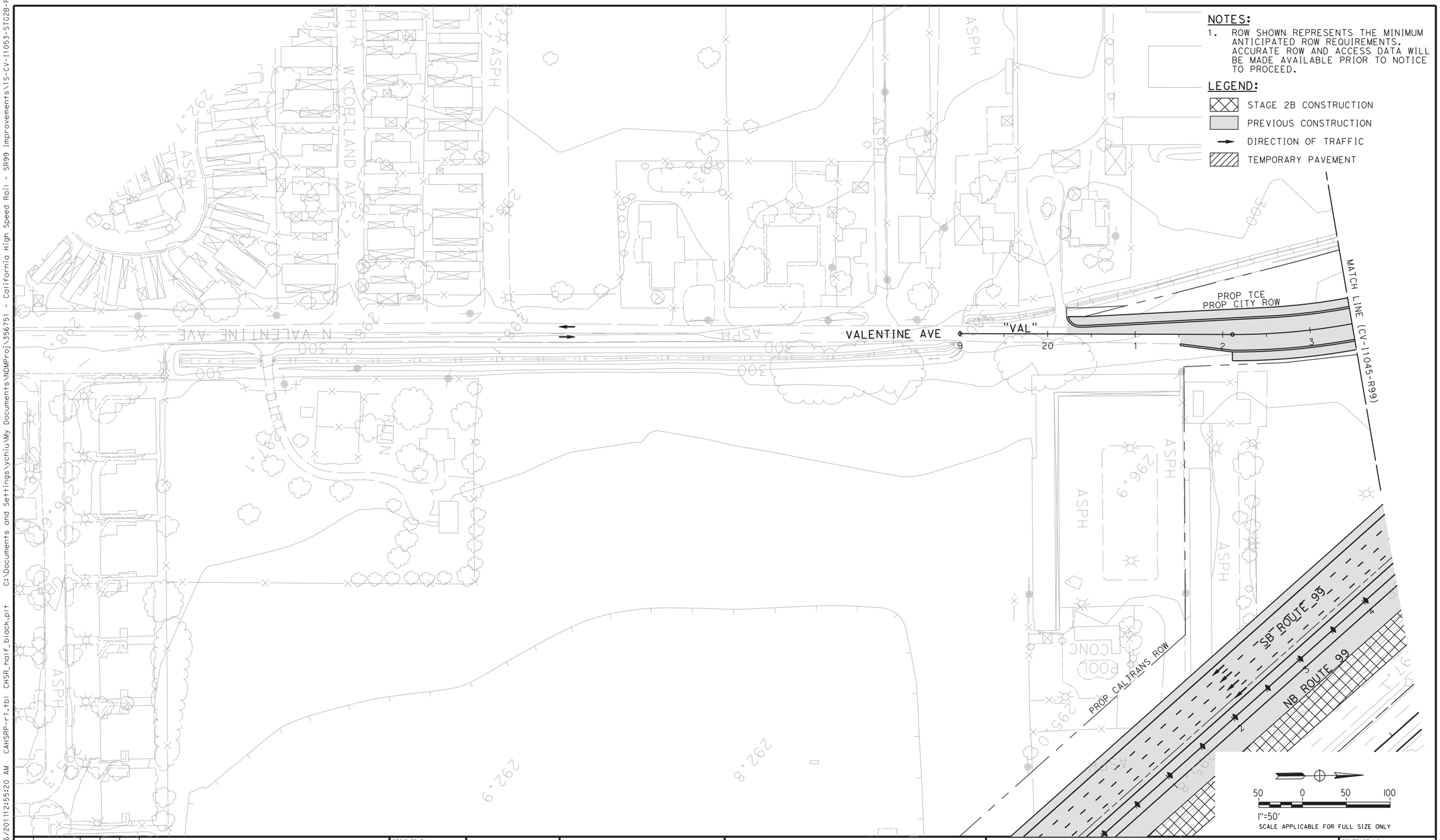
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1052-R99
SCALE AS SHOWN
SHEET NO.

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NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

LEGEND:

- STAGE 2B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

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IN CHARGE: F. NOBARI
DATE: 11/22/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1053-R99
SCALE AS SHOWN
SHEET NO.

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## NOTES:

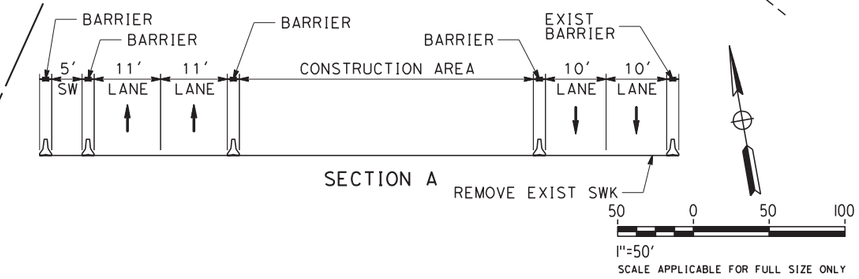
1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. CONSTRUCT ASHLAN AVE/GOLDEN STATE BLVD INTERSECTION AND SHIFT TRAFFIC AS NECESSARY.
3. CONSTRUCT SB ROUTE 99 OFFRAMP TO GOLDEN STATE BLVD AND NB ROUTE 99 ON RAMP.

## LEGEND:

- STAGE 2B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

SEE NOTE 3
UPRR
UPRR ROW
00+569.01S
S1 ℄
S2 ℄
PROP ROW/UPRR ROW
PROP ROW/ PROP CITY ROW
00+00.10S
"AS4"
"AS"
MATCH LINE (CV-I1021-GSB)
MATCH LINE (CV-I1055-R99)
ASHLAN AVE
WEBER AVE
GOLDEN STATE BLVD
"AS3"
"AS2"
"AS1"
SEE NOTE 2
PROP CITY R/W
MATCH LINE (CV-I1047-R99)
N GOLDEN STATE BLVD
N MOTEL DR
ASPH
DIRT
DP
CA HWY 99
HWY 99

**BEGIN CONSTRUCTION**
"AS" 7+30.00




SECTION A

50 0 50 100
1"=50′
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY C. BENSON
DRAWN BY R. MEZA
CHECKED BY L. HEUSTON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 9581
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-I1054-R99
SCALE AS SHOWN
SHEET NO.

2/13/2012 1:40:10 PM CAHSRP-R1.TBL CHSR_half_black-pdf995.prn C:\Documents and Settings\sleong\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-I1055-ST02B-R99 sleong

## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. CONSTRUCT ASHLAN AVE/MARTY AVE INTERSECTION AND SHIFT TRAFFIC AS NECESSARY.

## LEGEND:

- STAGE 2B CONSTRUCTION
- PREVIOUS CONSTRUCTION
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT

ASHLAN AVE

**END CONSTRUCTION**
"AS" 30+35.00

SEE NOTE 2

MATCH LINE (CV-I1054-R99)

"AS"

WEBER AVE

N WEBER AVE

MARTY AVE

TANK

CONC

ASPH

DIRT

UB

295.0 295.3 295.5 295.6 296.6 296.7 297.2 297.4 297.8 298.2 293.8 294.6 300 310

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY: C. BENSON
DRAWN BY: R. MEZA
CHECKED BY: L. HEUSTON
IN CHARGE: F. NOBARI
DATE: 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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## SIERRA SUBDIVISION
PACKAGE 1A
CONSTRUCTION STAGING
STAGE 2B
SR 99 RE-ALIGNMENT

CONTRACT NO.:
DRAWING NO.: CV-I1055-R99
SCALE: AS SHOWN
SHEET NO.:

## LEGEND:

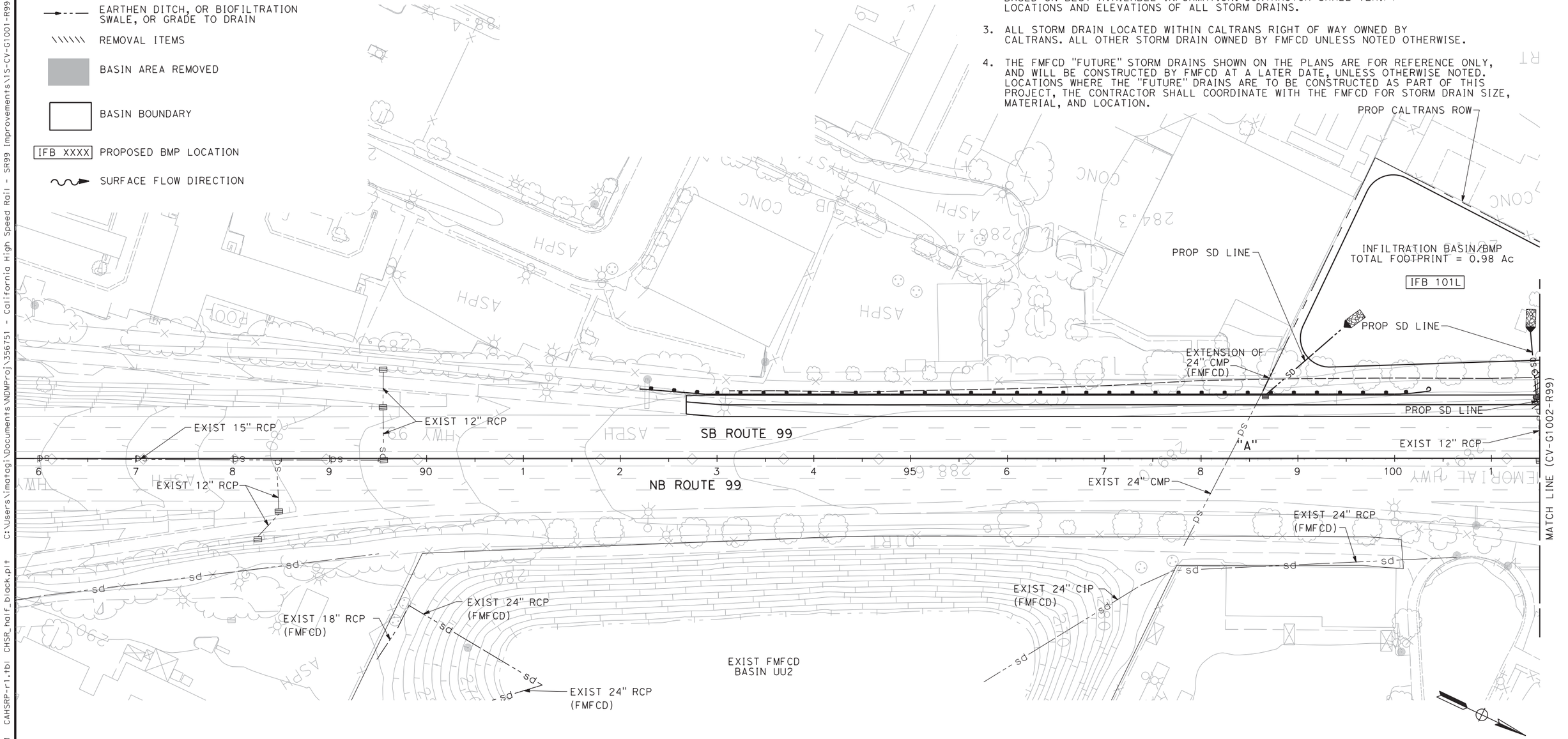
- ROCK SLOPE PROTECTION (RSP)
- DRAINAGE INLET OR CATCH BASIN
- SD STORM DRAIN
- EARTHEN DITCH, OR BIOFILTRATION SWALE, OR GRADE TO DRAIN
- REMOVAL ITEMS
- BASIN AREA REMOVED
- BASIN BOUNDARY
- IFB XXXX PROPOSED BMP LOCATION
- SURFACE FLOW DIRECTION

## ABBREVIATIONS:

| | |
|---|---|
| FMFCD | FRESNO METROPOLITAN FLOOD CONTROL DISTRICT |
| OSD | OVERSIDE DRAIN |
| POC | POINT OF CONNECTION |

## GENERAL DRAINAGE NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING STORM DRAINS ARE BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF ALL STORM DRAINS.
3. ALL STORM DRAIN LOCATED WITHIN CALTRANS RIGHT OF WAY OWNED BY CALTRANS. ALL OTHER STORM DRAIN OWNED BY FMFCD UNLESS NOTED OTHERWISE.
4. THE FMFCD "FUTURE" STORM DRAINS SHOWN ON THE PLANS ARE FOR REFERENCE ONLY, AND WILL BE CONSTRUCTED BY FMFCD AT A LATER DATE, UNLESS OTHERWISE NOTED. LOCATIONS WHERE THE "FUTURE" DRAINS ARE TO BE CONSTRUCTED AS PART OF THIS PROJECT, THE CONTRACTOR SHALL COORDINATE WITH THE FMFCD FOR STORM DRAIN SIZE, MATERIAL, AND LOCATION.




50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY I. MATAGI
DRAWN BY J. TYLER
CHECKED BY R. HENDERSON
IN CHARGE F. NOBARI
DATE 12/08/11

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-G1001-R99
SCALE AS SHOWN
SHEET NO.

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12/2/2011 11:36:15 AM

NOTE:

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PROP CALTRANS ROW

IFB 101L

EXIST DRAIN WELL

EXIST 12" RCP

PROP ROADSIDE DITCH

RET WALL NO. 1

"MK3"

ADJUST INLET TO GRADE

SB ROUTE 99

"A"

NB ROUTE 99

MATCH LINE (CV-G1001-R99)

EXIST 36" CIP (FMFCD)

PROP CALTRANS ROW

McKINLEY AVE

INFILTRATION BASIN/BMP
TOTAL FOOTPRINT = 1.18 Ac

IFB 115L

RET WALL NO. 2

CALTRANS ROW

EXIST 18" RCP (FMFCD)

EXIST DRAIN WELL

CALTRANS ROW

MATCH LINE (CV-G1003-R99)

50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

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|---|---|---|---|---|---|
| | | | | | |

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DATE 12/08/11

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## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

CONTRACT NO.

DRAWING NO. CV-G1002-R99

SCALE AS SHOWN

SHEET NO.

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12/2/2011 11:37:13 AM

NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE SHEET CV-G1016-R99 FOR WOODSON AND PLEASANT AVE

WOODSON AVE
PLEASANT AVE
EXIST 30" RCP (FMFCD)
TCE
PROP CITY ROW
PROP CITY ROW
CALTRANS ROW
PROP CALTRANS ROW
PROP CITY ROW
PROP CALTRANS/PROP CITY ROW
RET WALL NO. 2
CALTRANS ROW
REMOVE DRAIN WELL
"W"
"C3"
"A"
SB ROUTE 99
NB ROUTE 99
EXIST 24" RCP W/ HW'S (2)
EXIST 12" RCP
CALTRANS ROW
MATCH LINE (CV-G1002-R99)
MATCH LINE (CV-G1004-R99)
EXIST PUMP STATION AND STORAGE BAY
EXIST 12" RCP
EXIST INLET
"C4"
"MS"
"MN4"
MATCH LINE (CV-G1015-R99)

THIS SHEET FOR REMOVAL ITEMS ONLY

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

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|---|---|---|---|---|---|

DESIGNED BY I. MATAGI
DRAWN BY J. TYLER
CHECKED BY R. HENDERSON
IN CHARGE F. NOBARI
DATE 2/17/12

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## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-G1003-R99
SCALE AS SHOWN
SHEET NO.

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2/16/2012 5:43:28 PM

NOTES:

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2. SEE SHEET CV-G1016-R99 FOR WOODSON AND PLEASANT AVE.

WOODSON AVE
PLEASANT AVE
PROP SD LINE
TCE
PROP CITY ROW
EXIST 30" RCP (FMFCD)
30" RCP
CALTRANS ROW
PROP CALTRANS ROW
PROP HW
EXTENSION OF 24" RCP
PROP CALTRANS/PROP CITY ROW
IFB 115L
IFB 130L
"W"
"A"
"S"
"MS"
"MN4"
SB ROUTE 99
NB ROUTE 99
RET WALL NO. 2
EXIST 24" RCP W/ HW'S (2)
EXIST 12" RCP
EXIST PUMP STATION AND STORAGE BAY
EXIST INLET
MATCH LINE (CV-G1002-R99)
MATCH LINE (CV-G1004-R99)
MATCH LINE (CV-G1015-R99)
50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

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|---|---|---|---|---|---|

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DRAWN BY J. TYLER
CHECKED BY R. HENDERSON
IN CHARGE F. NOBARI
DATE 2/17/12

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2020 L Street, Suite 300
Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-G1003A-R99
SCALE AS SHOWN
SHEET NO.

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NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE SHEETS CV-G1012-R99 AND CV-G1013-R99 FOR CLINTON AVE.

CALTRANS ROW
RET WALL NO. 6
EXIST 60" RCP (COLE WEST BRANCH NO. 40) (FID) SEE UTILITY PLANS
PROP CALTRANS ROW
PROP CITY ROW
RET WALL NO. 7
PROP CALTRANS ROW
VASSAR AVE
CLINTON AVE
"C5"
RET WALL NO. 3
"W"
PROP CALTRANS/ PROP CITY ROW
"MS"
"C2"
CALTRANS ROW
"C"
RET WALL NO. 5
MATCH LINE (CV-G1003-R99)
SB ROUTE 99
"A"
NB ROUTE 99
MATCH LINE (CV-G1005-R99)
RET WALL NO. 8
"C4"
RET WALL NO. 9
"C1"
RET WALL NO. 10
"MN4"
"MN"
(AT GRADE TRACK)
PROP ROW/UPRR ROW
PROP ROW/PROP CALTRANS ROW
UPRR
MATCH LINE (CV-G1015-R99)
UPRR ROW
50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

THIS SHEET FOR REMOVAL ITEMS ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

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DRAWN BY J. TYLER
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IN CHARGE F. NOBARI
DATE 2/17/12

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Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-G1004-R99
SCALE AS SHOWN
SHEET NO.

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## NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE SHEETS CV-G1012-R99 AND CV-G1013-R99 FOR CLINTON AVE.

EXIST 60" RCP (COLE WEST BRANCH NO. 40) (FID) SEE UTILITY PLANS
CALTRANS ROW
RET WALL NO. 6
VASSAR AVE
PROP SD LINE
RET WALL NO. 7
CLINTON AVE
PROP CALTRANS ROW
PROP SD LINE
PROP CALTRANS ROW
PROP SD LINE
PROP SD LINE
PROP CITY ROW
PROP SD LINE
PROP SD LINE
INFILTRATION BASIN/BMP TOTAL FOOTPRINT = 0.34 Ac
IFB 141L
"C2"
"C3"
RET WALL NO. 3
"W"
PROP CALTRANS/ PROP CITY ROW
"MS"
CALTRANS ROW
PROP SD LINE
PROP SD LINE
GRADE TO DRAIN
MATCH LINE (CV-G1005-R99)
RET WALL NO. 5
PROP SD LINE
PROP SD LINE
PROP SD LINE
SB ROUTE 99
"A"
NB ROUTE 99
HIGH SIDE SUPER GUTTER
HIGH SIDE SUPER GUTTER
MATCH LINE (CV-G1003-R99)
PROP SD LINE
Conc Chnl
PROP SD LINE
PROP SD LINE
RET WALL NO. 8
RET WALL NO. 9
"MN4"
"C4"
PROP SD LINE
PROP SD LINE
INFILTRATION BASIN/BMP TOTAL FOOTPRINT = 4.06 Ac
IFB 132R
RET WALL NO. 10
(AT GRADE TRACK)
PROP ROW/UPRR ROW
PROP ROW/PROP CALTRANS ROW
UPRR
MATCH LINE (CV-G1015-R99)
"MN"
PROP SD LINE
UPRR ROW

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY I. MATAGI
DRAWN BY J. TYLER
CHECKED BY R. HENDERSON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

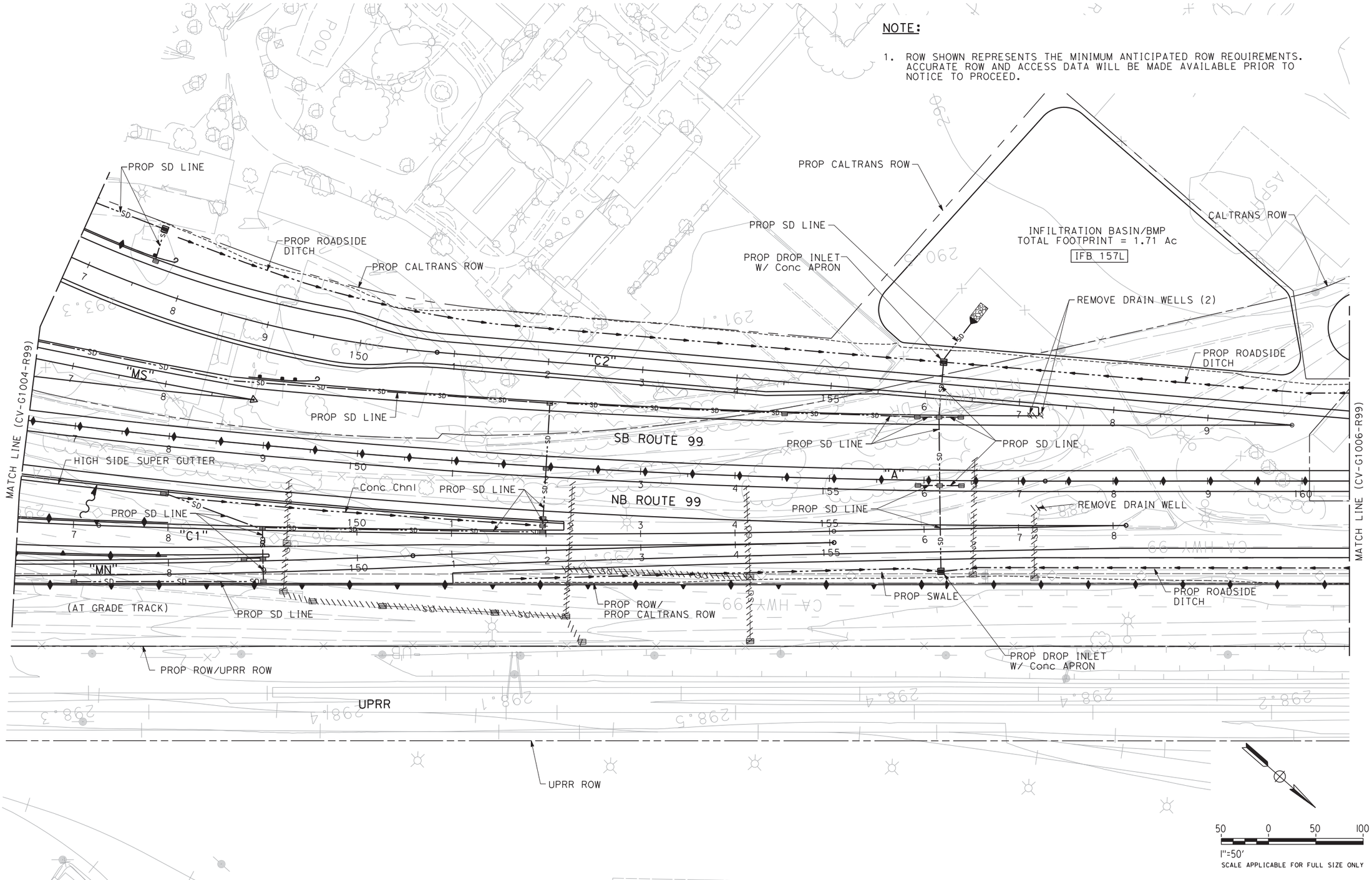
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-G1004A-R99
SCALE AS SHOWN
SHEET NO.

2/16/2012 5:44:28 PM

NOTE:

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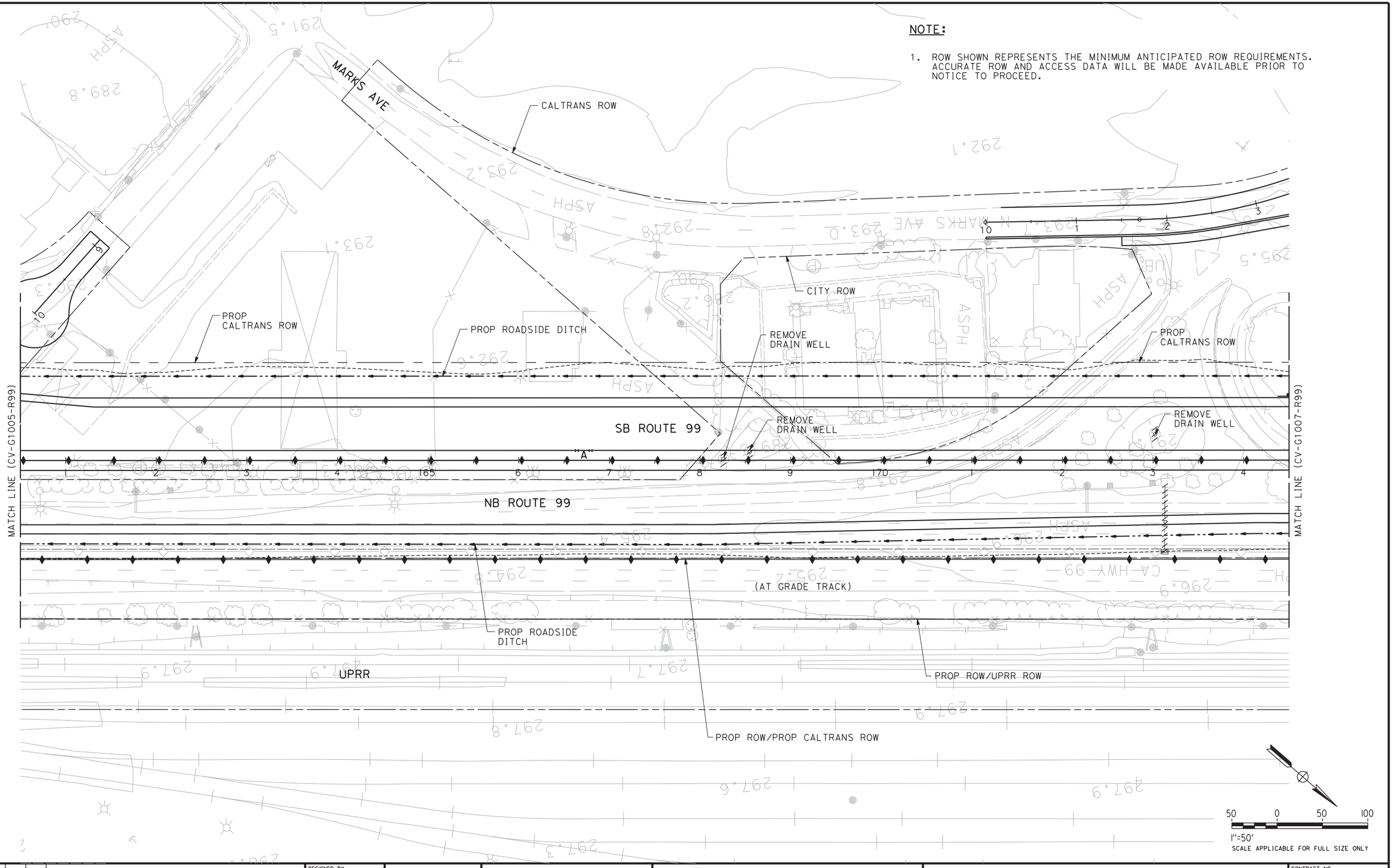
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-G1005-R99
SCALE AS SHOWN
SHEET NO.

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2/16/2012 5:51:28 PM

NOTE:

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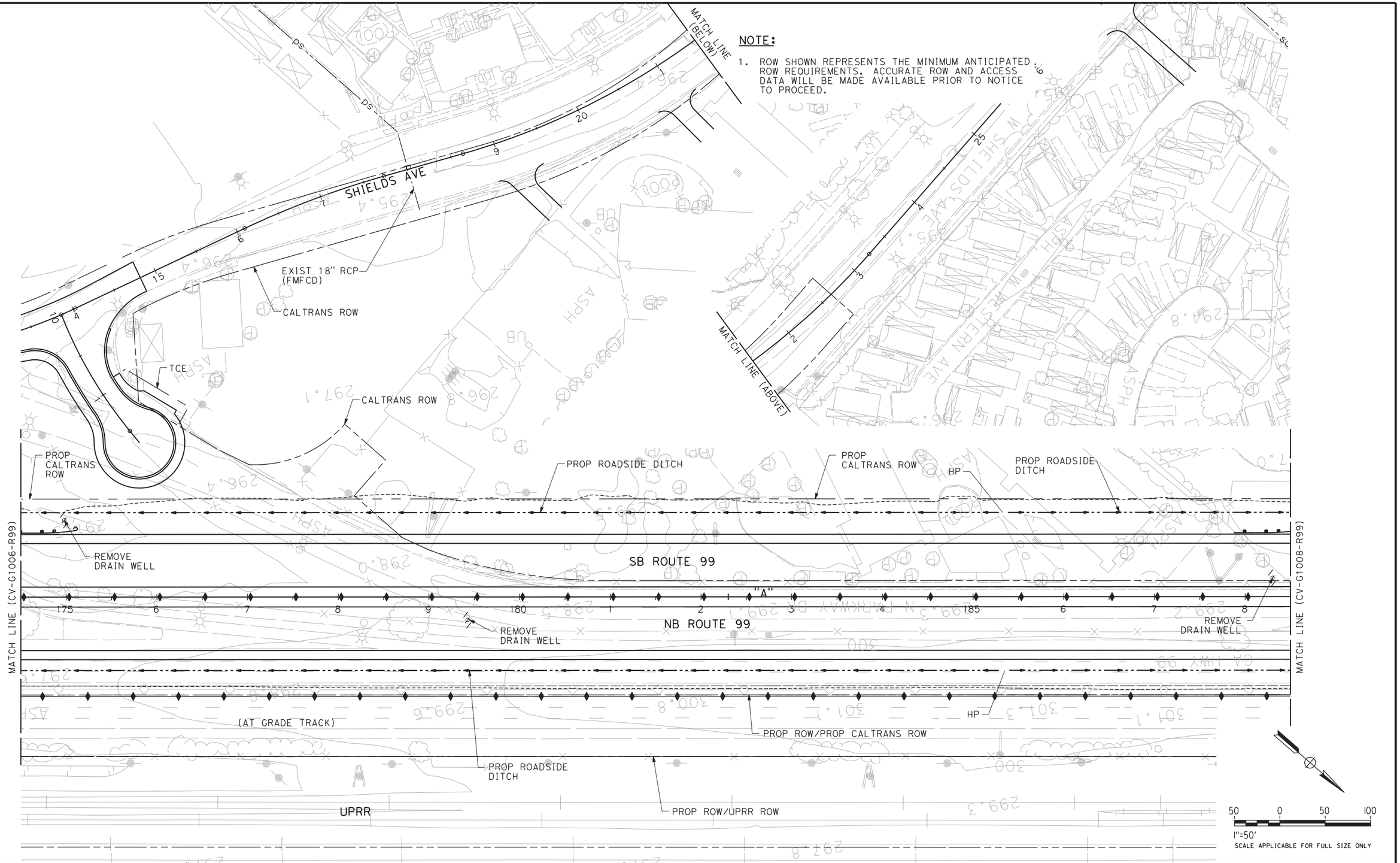
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-G1006-R99
SCALE AS SHOWN
SHEET NO.

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imatagi




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PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

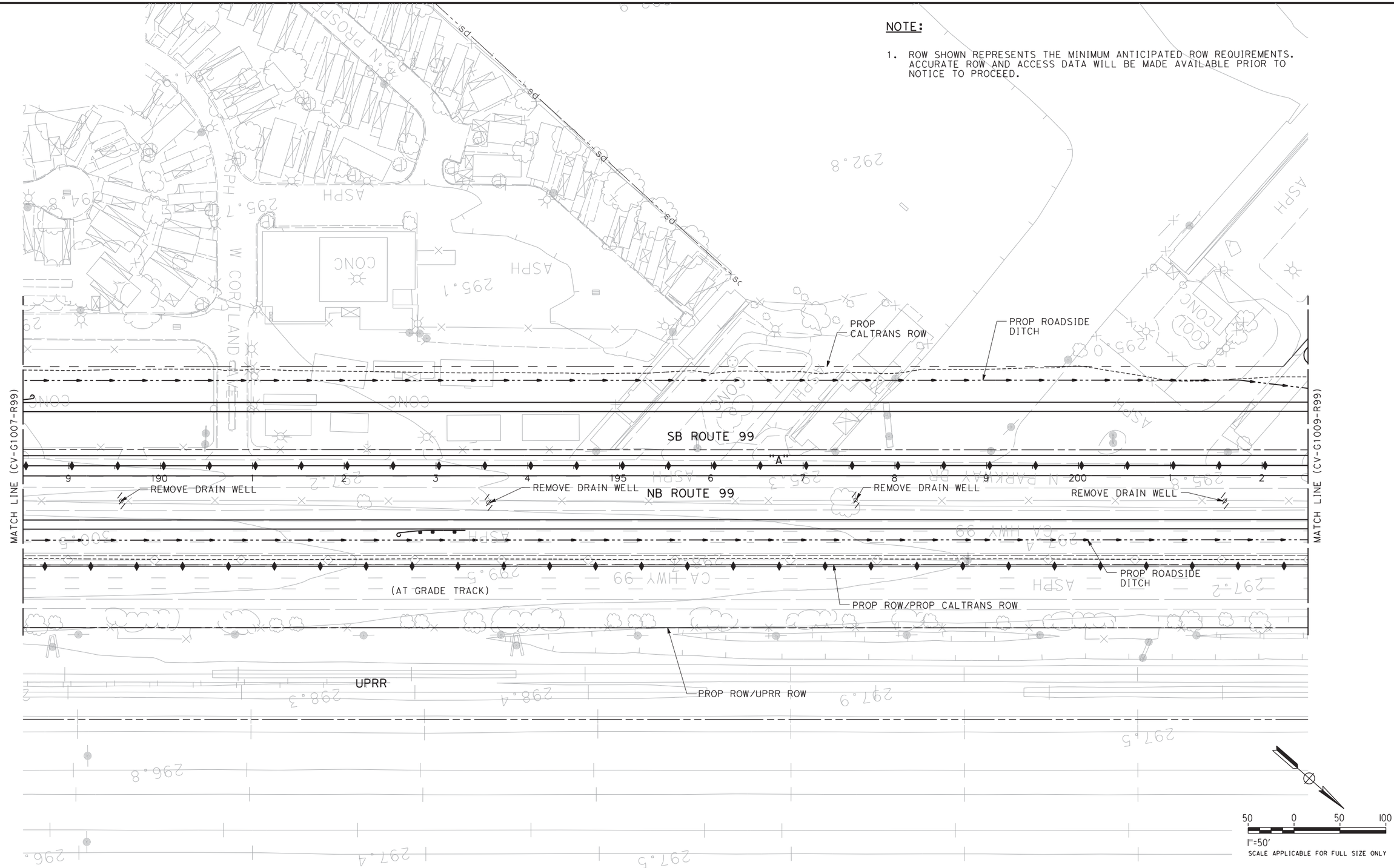
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SCALE AS SHOWN
SHEET NO.

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## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-G1008-R99
SCALE AS SHOWN
SHEET NO.

12/2/2011 11:47:12 AM

**NOTE:**

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

EXIST IRRIGATION DITCH (VICTORIA COL. NO. 43) (FID) SEE UTILITY PLANS

FOR PROPOSED MODIFICATIONS OF FID FACILITY, SEE UTILITY PLANS

EXIST 30" RCP (TRACY NO. 44) (FID) SEE UTILITY PLANS

DAKOTA AVE

PROP SD LINE

INFILTRATION BASIN/BMP TOTAL FOOTPRINT = 0.15 Ac

IFB 213L

EXIST 36" RCP (VICTORIA COL. NO. 43) (FID) SEE UTILITY PLANS

TCE

PROP CITY ROW

IFB 208L

PROP SD LINE

MATCH LINE (CV-G1017-R99)

VALENTINE AVE

NORTH PARKWAY DR

REMOVE DRAIN WELL

PROP CITY ROW

INFILTRATION BASIN/BMP TOTAL FOOTPRINT = 1.27 Ac

IFB 205L

PROP ROADSIDE DITCH

PROP SD LINE

PROP CALTRANS ROW

PROP CALTRANS ROW

PROP DROP INLET W/ Conc APRON

REMOVE DRAIN WELL

CALTRANS ROW

REMOVE DRAIN WELL

SB ROUTE 99

EXIST IRRIGATION FLOW SPLITTER (FID)

PROP ROADSIDE DITCH

MATCH LINE (CV-G1008-R99)

MATCH LINE (CV-G1010-R99)

PROP SD LINE

REMOVE DRAIN WELL

NB ROUTE 99

REMOVE DRAIN WELLS (2)

PROP ROADSIDE DITCH

PROP DROP INLET W/ Conc APRON

(AT GRADE TRACK)

PROP ROADSIDE DITCH

PROP ROW/PROP CALTRANS ROW

EXIST 42" RCP IRRIGATION LINE (VICTORIA NO. 42) (FID) SEE UTILITY PLANS

UPRR

PROP ROW/UPRR ROW

UPRR ROW

50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

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Sacramento, CA 95811

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

CONTRACT NO.

DRAWING NO. CV-G1009-R99

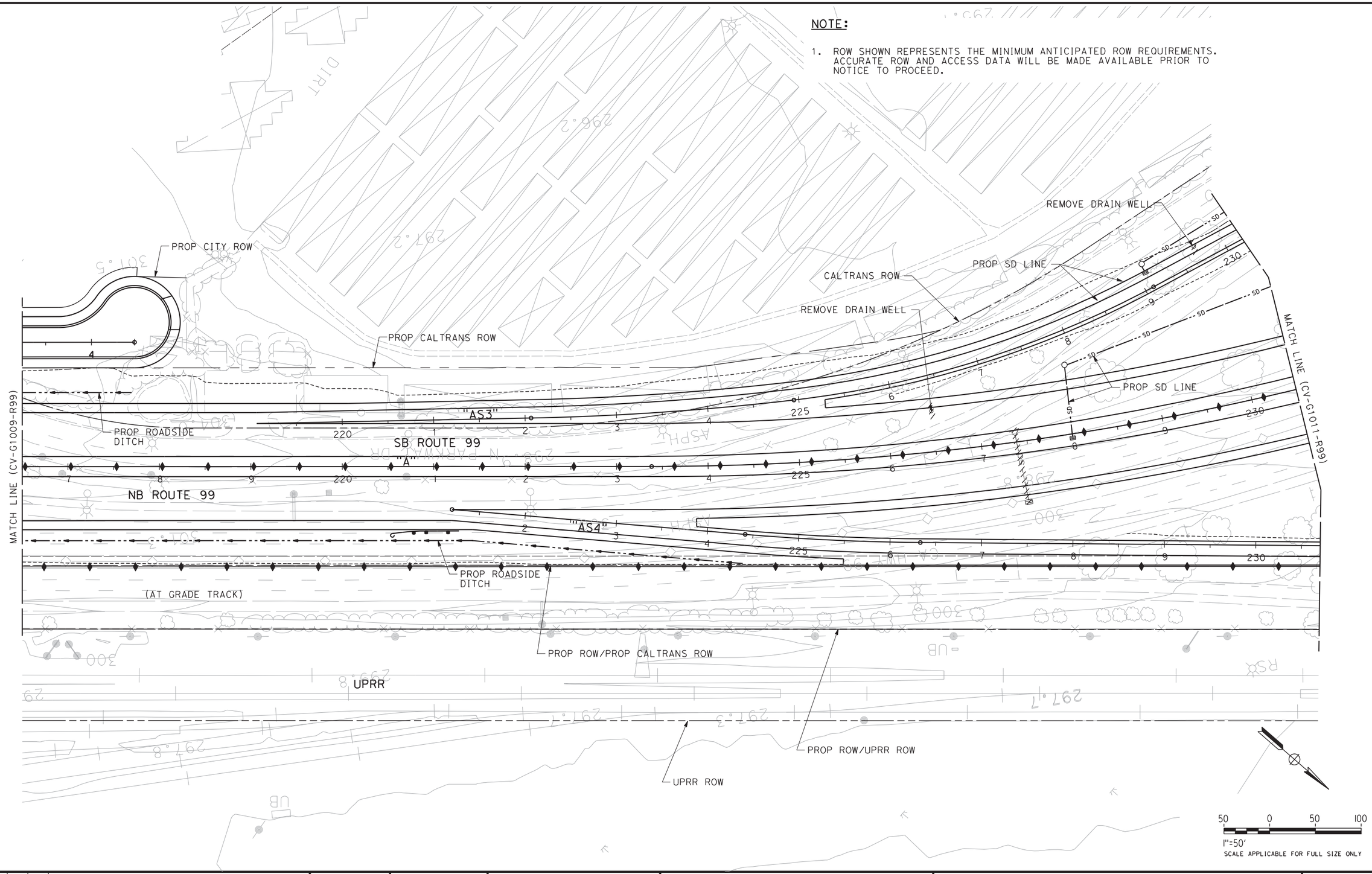
SCALE AS SHOWN

SHEET NO.

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NOTE:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.




| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | |

DESIGNED BY I. MATAGI
DRAWN BY J. TYLER
CHECKED BY R. HENDERSON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

AECOM Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811

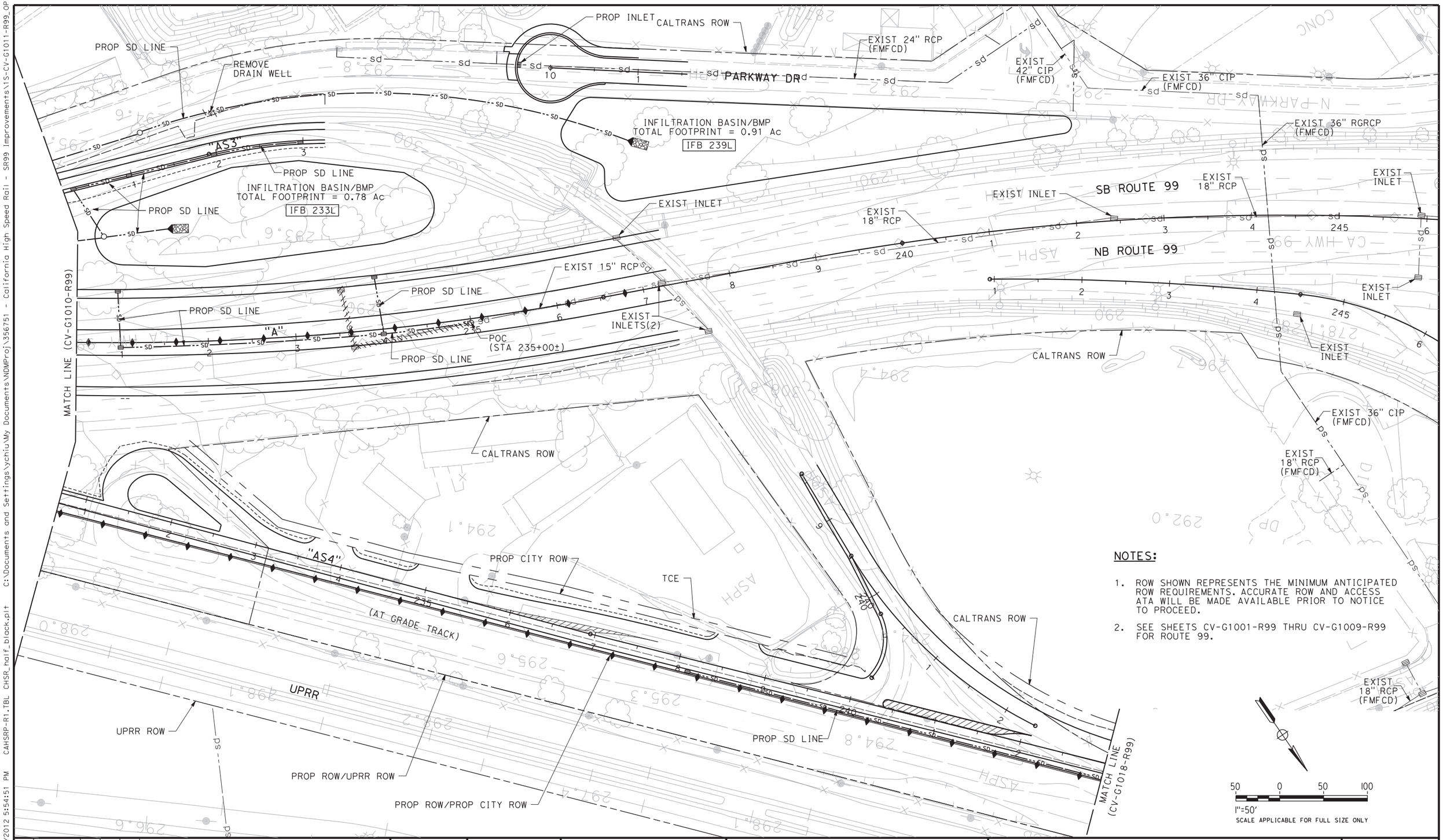
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-G1010-R99
SCALE AS SHOWN
SHEET NO.

2/16/2012 5:52:13 PM C:\Documents and Settings\ychiu\My Documents\NDMProj\356751 - California High Speed Rail - SR99 Improvements\1S-CV-G1010-R99_OPTION CAHSRP-R1.TBL CHSR_half_black.plt ychiu




NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS ATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE SHEETS CV-G1001-R99 THRU CV-G1009-R99 FOR ROUTE 99.

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

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## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-G1011-R99
SCALE AS SHOWN
SHEET NO.

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2/16/2012 5:54:52 PM

NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS ATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE SHEETS CV-G1001-R99 THRU CV-G1009-R99 FOR ROUTE 99.

PROP ROADSIDE DITCH
PROP SD LINE
PROP CALTRANS ROW
PROP DROP INLET W/ Conc APRON
PROP SD LINE
PROP SD LINE
POC (STA 12+34±)
ADJUST INLET TO GRADE
EXIST 24" RCP (FMFCD)
TCE
CLINTON AVE
PROP SD LINE
PROP SD LINE
EXIST 18" RCP (FMFCD)
VASSAR AVE
ADJUST INLET TO GRADE
CALTRANS ROW
PROP SD LINE
IFB 141L
PROP SD LINE
PROP SD LINE
EXIST 60" RCP (COLE WEST BRANCH NO. 40) (FID) SEE UTILITY PLANS
PROP CALTRANS ROW
PLEASANT AVE
NB ROUTE 99
SB ROUTE 99
W CLINTON AVE
CLINTON AVE OVERCROSSING SEE STRUCTURE PLANS
MATCH LINE (CV-G1013-R99)
POOL
RUIN
ASPH
DIRT
CONC

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY I. MATAGI
DRAWN BY J. TYLER
CHECKED BY R. HENDERSON
IN CHARGE F. NOBARI
DATE 12/08/11

**PROPOSED PRELIMINARY DESIGN**

**NOT FOR CONSTRUCTION**

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Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-G1012-R99
SCALE AS SHOWN
SHEET NO.

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CAHSRP-R1.TBL CHSR_half_black.plt
2/16/2012 5:55:15 PM
ychiu

## NOTES:

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2. SEE SHEETS CV-G1001-R99 THRU CV-G1009-R99 FOR ROUTE 99.

PROP ROW/UPRR ROW
EXIST 60" RCP (COLE WEST BRANCH NO. 40) (FID) SEE UTILITY PLANS
PROP ROW/PROP CALTRANS ROW
PROP SD LINE
EXIST 48" RCP (FMFCD)
RET WALL NO. 11
EXIST 18" RCP (FMFCD)
ADJUST INLET TO GRADE
TCE
POC (STA 34+33±)
MATCH LINE (CV-G1012-R99)
"C"
EXIST 24" CIP (FMFCD)
CLINTON AVE
PROP SD LINE
RET WALL NO. 12
FRESNO YARD OVERHEAD SEE STRUCTURE PLANS
EXIST 48" CIP (FMFCD)
UPRR ROW
NB ROUTE 99
(AT GRADE TRACK)
IFB 132R

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

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CHECKED BY R. HENDERSON
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DATE 2/17/12

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

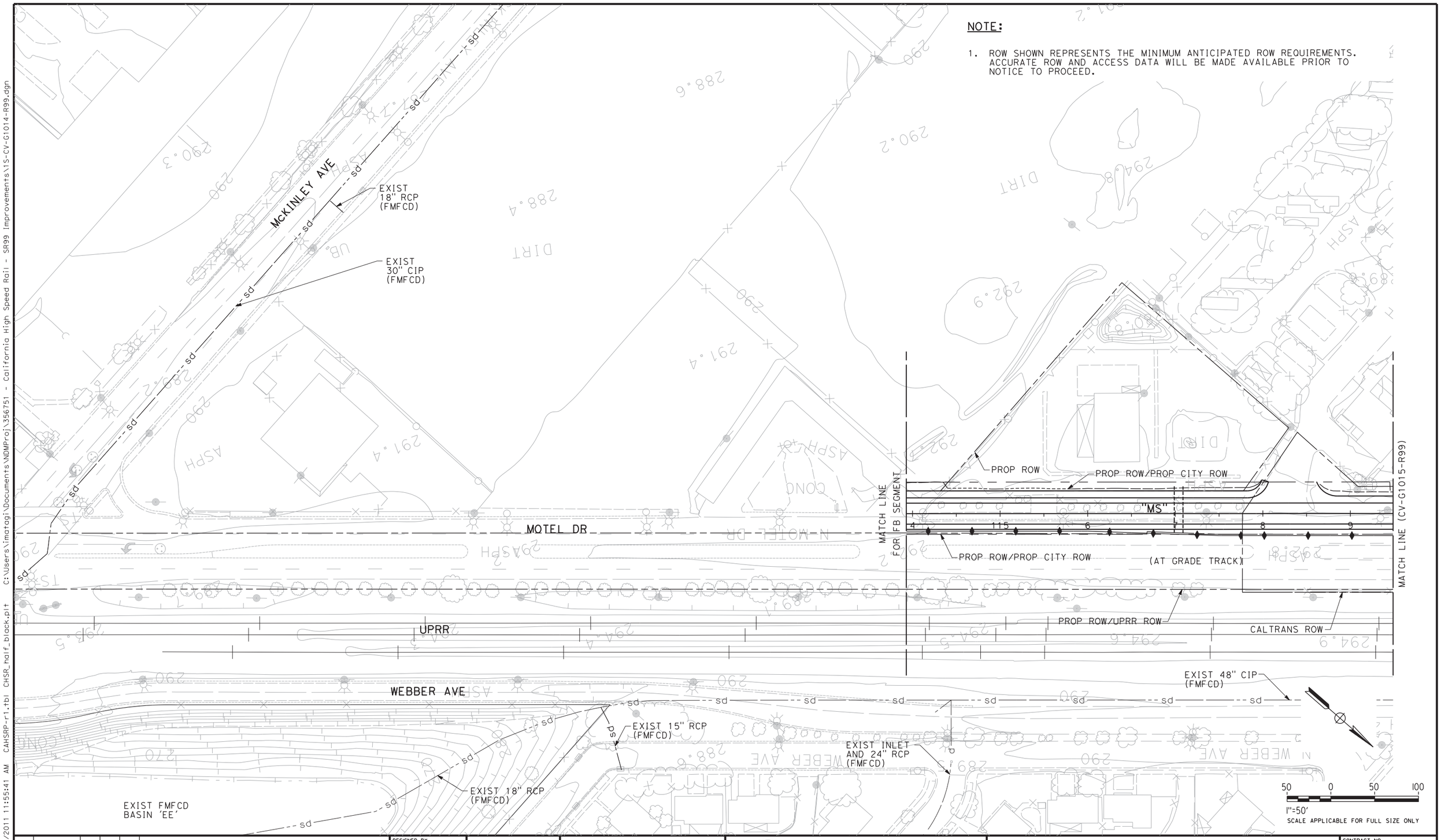
# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-G1013-R99
SCALE AS SHOWN
SHEET NO.

2/16/2012 5:55:16 PM

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

# CALIFORNIA HIGH-SPEED TRAIN PROJECT
## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

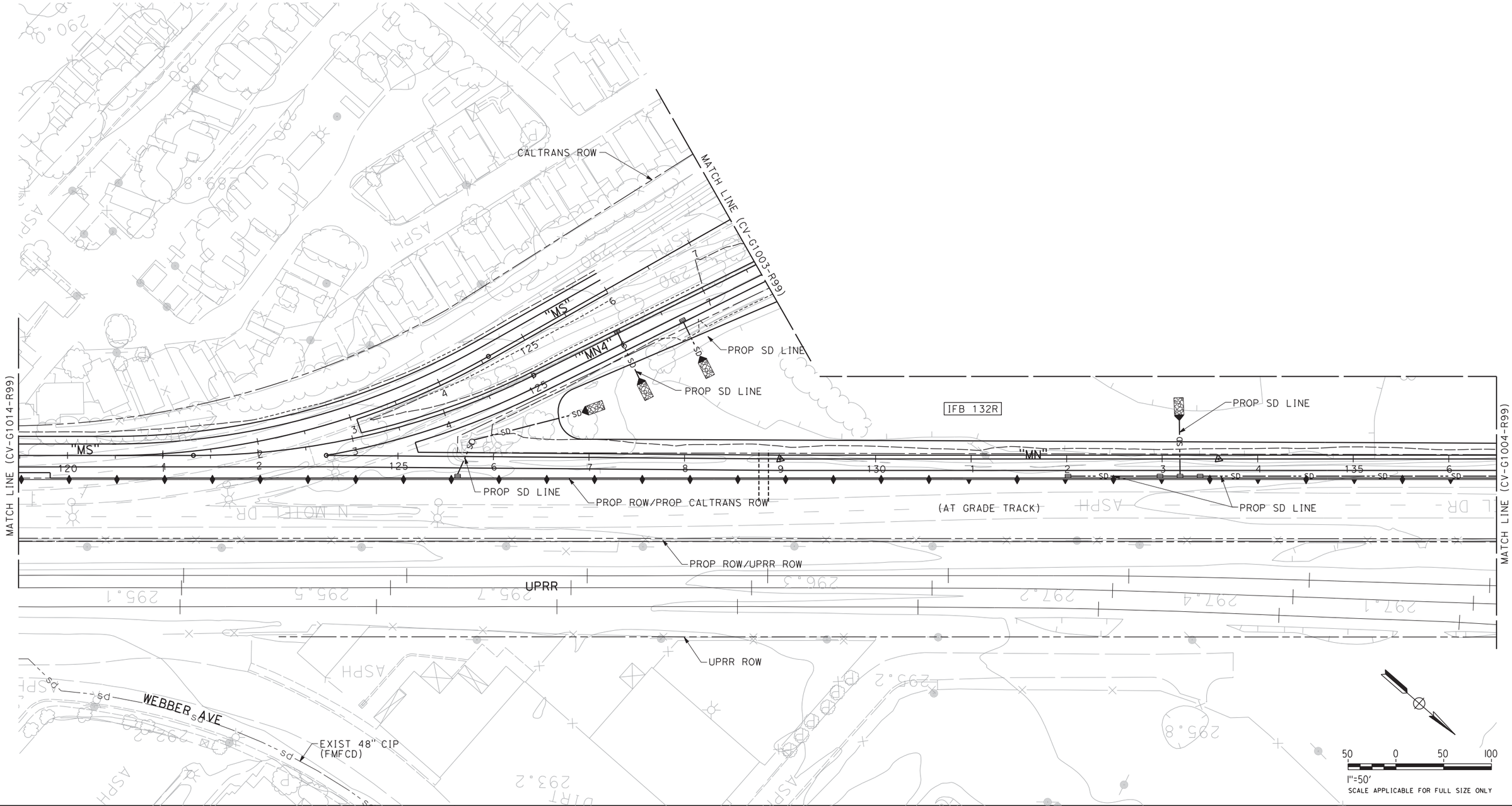
CONTRACT NO.
DRAWING NO. CV-G1014-R99
SCALE AS SHOWN
SHEET NO.

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imatagi

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## NOTE:

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| REV | DATE | BY | CHK | APP | DESCRIPTION |
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| | | | | | |

DESIGNED BY I. MATAGI
DRAWN BY J. TYLER
CHECKED BY R. HENDERSON
IN CHARGE F. NOBARI
DATE 2/17/12

**PROPOSED PRELIMINARY DESIGN**

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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-G1015-R99
SCALE AS SHOWN
SHEET NO.

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CAHSRP-r1.tbl CHSR_half_black.plt
12/2/2011 11:58:04 AM
imatagi

NOTES:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS ATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
2. SEE SHEETS CV-G1001-R99 THRU CV-G1009-R99 FOR ROUTE 99.

WOODSON AVE
CITY ROW
CITY ROW
"W"
INFILTRATION BASIN/BMP
TOTAL FOOTPRINT = 0.96 Ac
IFB 130L
EXIST 30" RCP (FMFCD)
CALTRANS ROW
PROP CITY ROW
REMOVE DRAIN WELL
PROP SD
EXIST 12" RCP
PROP SD
SB ROUTE 99
NB ROUTE 99
"A"
CALTRANS ROW
PROP SD LINE
PROP CALTRANS ROW/ PROP CITY ROW
PROP CITY ROW
TCE
PROP CITY ROW
PROP SD LINE
PROP SD LINE
PROP CITY ROW
PLEASANT AVE
PROP CALTRANS ROW
CALTRANS ROW

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

DESIGNED BY: I. MATAGI
DRAWN BY: J. TYLER
CHECKED BY: R. HENDERSON
IN CHARGE: F. NOBARI
DATE: 12/08/11

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION

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2020 L Street, Suite 300
Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-G1016-R99
SCALE AS SHOWN
SHEET NO.

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12/2/2011 11:58:52 AM CAHSRP-r1.tbl CHSR_half_black.plt imatagi

## NOTES:

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2. SEE SHEETS CV-G1001-R99 THRU CV-G1009-R99 FOR ROUTE 99.

VALENTINE AVE

"V"

N VALENTINE AVE

W CORTLAND AVE

EXIST CULVERT (FID)

EXIST IRRIGATION DITCH (VICTORIA COL. NO. 43) (FID) SEE UTILITY PLANS

EXIST CULVERT (FID)

EXIST IRRIGATION DITCH (VICTORIA COL. NO. 43) (FID) SEE UTILITY PLANS

INFILTRATION BASIN/BMP TOTAL FOOTPRINT = 0.40 Ac

IFB 208L

PROP SD LINE

CITY ROW

MATCH LINE (CV-G1009-R99)

PROP CALTRANS ROW

IFB 205L

PROP ROADSIDE DITCH

PROP DROP INLET W/ Conc APRON

PROP SD LINE

CALTRANS ROW

REMOVE DRAIN WELLS (2)

PROP ROADSIDE DITCH

SB ROUTE 99

"A"

PROP ROADSIDE DITCH

PROP DROP INLET W/ Conc APRON

50 0 50 100

1"=50'

SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
|---|---|---|---|---|---|

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DRAWN BY J. TYLER
CHECKED BY R. HENDERSON
IN CHARGE F. NOBARI
DATE 12/08/11

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AECOM Technical Services, Inc.
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Sacramento, CA 95811
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CALIFORNIA HIGH-SPEED RAIL AUTHORITY

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## SIERRA SUBDIVISION
PACKAGE 1A
ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

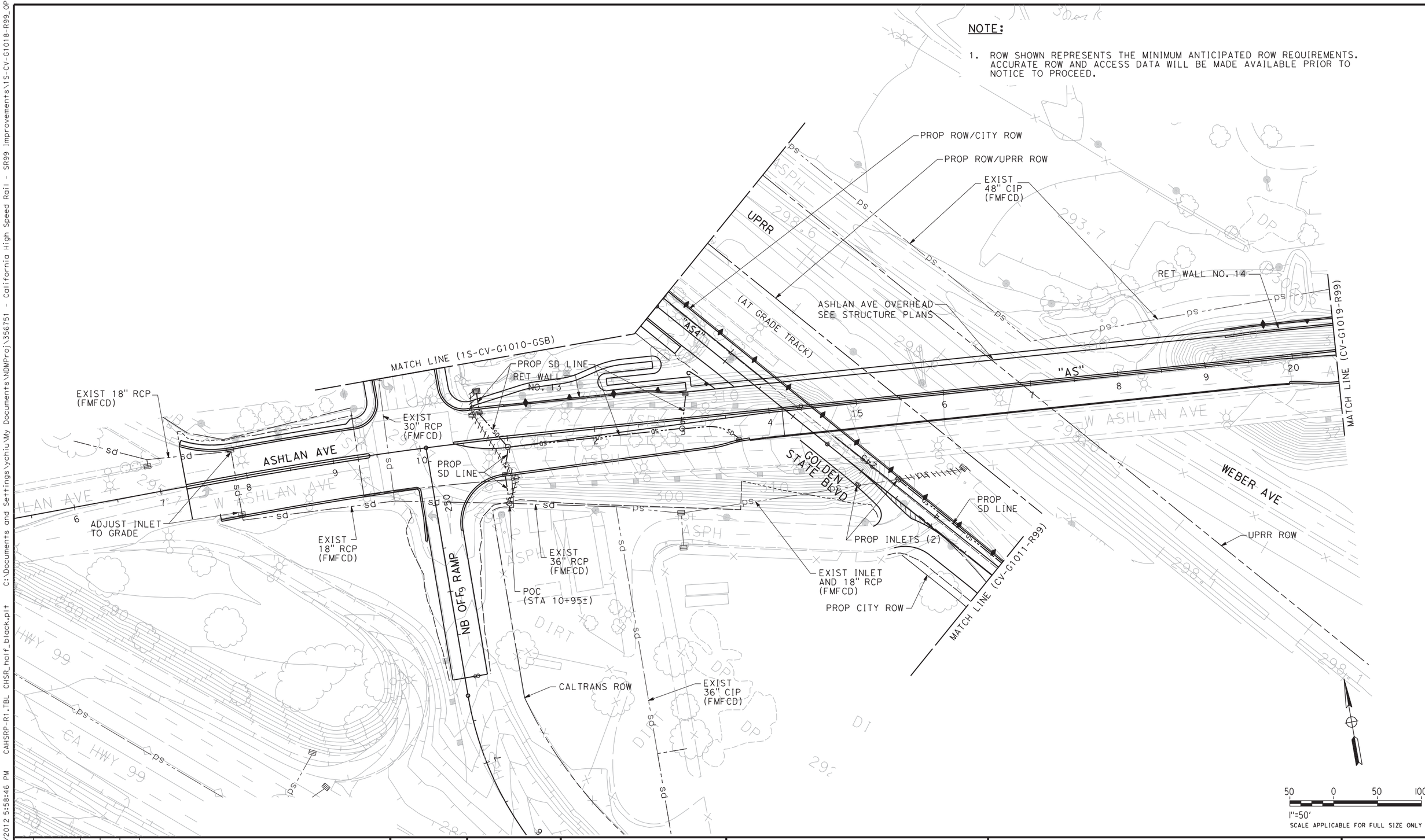
CONTRACT NO.
DRAWING NO. CV-G1017-R99
SCALE AS SHOWN
SHEET NO.

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**NOTE:**

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SR 99 RE-ALIGNMENT

CONTRACT NO.
DRAWING NO. CV-G1018-R99
SCALE AS SHOWN
SHEET NO.

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NOTE:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

EXIST 42" CIP (FMFCD)
EXIST 48" RCP (FMFCD)
EXIST 48" RCP (FMFCD)
EXIST 66" RCP (FMFCD)
RET WALL NO. 14
ASHLAN AVE
PROP SD LINE
POC (STA 28+32±)
PROP SD LINES
POC (STA 26+62±)
EXIST 18" RCP (FMFCD)
EXIST INLETS (2) AND 18" RCP (FMFCD)
EXIST 66" RCP (FMFCD)
EXIST FMFCD BASIN 'AG'
EXIST 24" RCP (FMFCD)
MATCH LINE (CV-G1018-R99)
WEBBER AVE
MARTY AVE
DIRT
CONC
ASPH

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

| REV | DATE | BY | CHK | APP | DESCRIPTION |
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ROADWAY
GRADING AND DRAINAGE PLAN
SR 99 RE-ALIGNMENT

CONTRACT NO.
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SCALE AS SHOWN
SHEET NO.

2/16/2012 5:59:23 PM

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NOTE:

1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.

EXIST 15" RCP
EXIST INLETS (2) AND 30" RCP
SB ROUTE 99
EXIST INLET AND 12" RCP
EXIST INLET
EXIST INLET AND 30" RCP
NB ROUTE 99
EXIST 15" RCP
EXIST INLET AND 12" RCP
EXIST INLET AND 15" RCP
EXIST INLET
EXIST 30" RCP
EXIST 33" RCP
EXIST INLET AND 21" RCP
PROP DROP INLET W/ Conc APRON POC (STA 111+70±)
PROP CALTRANS ROW
PROP ROADSIDE DITCH
PROP HW AND SD LINE
"H2"
PROP HW
PROP ROADSIDE DITCH
PROP SWALE/BMP
BSW 20L
EXIST DITCH AND HW
"H1"
PROP INLET POC (STA 111+60±)
PROP ROW/UPRR ROW
(AT GRADE TRACK)
EXIST HW AND 24" RCP
MATCH LINE (CV-G1021-R99)
SEE GSB GRADING AND DRAINAGE PLAN SHEET CV-G1001-GSB
UPRR

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

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SHEET NO.

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EXIST INLET AND 12" CMP
EXIST INLET AND 12" RCP
EXIST INLET AND 36" RCP
EXIST 33" RCP
EXIST INLETS (2) AND 36"RCP
EXIST 36" RCP
SB ROUTE 99
NB ROUTE 99
POC STA 115+90
POC STA 119+90
PROP SD LINE
EXIST INLET
MATCH LINE (CV-G1020-R99)
PROP ROW/UPRR ROW
(AT GRADE TRACK)

50 0 50 100
1"=50'
SCALE APPLICABLE FOR FULL SIZE ONLY

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